

k.04  
02/96

March 11, 1996

6E07013-1

**VIA CERTIFIED MAIL**


Ms. Leah Evison, Ph.D.  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 1  
February 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

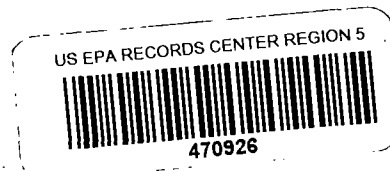
The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,

  
John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
K. Sakowski - MDEQ



DET22581.DOC



**PROGRESS REPORT NO. 1**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: February 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

**A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

The Respondents (Cooper Industries and Corning, Inc.) selected Woodward-Clyde Consultants (W-C) to serve in the role of Project Coordinator on February 27, 1996.

W-C submitted written notification of Project Coordinator selection to Leah Evison of EPA Region V on February 28, 1996.

A phone conversation was held between Leah Evison (EPA) and John Seymour (W-C) on February 29, 1996 to discuss project startup. The following items were discussed during the call:

- The first progress report will identify the submittal date for the Remedial Design Work Plan.
- A technical memorandum will be prepared to update the Remedial Investigation and Feasibility Study (RI/FS) Quality Assurance Project Plan (QAPP) in lieu of preparing a new QAPP for the remedial design. The technical memorandum will also contain a Field Sampling Plan (FSP) and Health and Safety Plan (HSP).
- Gas emissions testing would not likely be necessary for design. On other sites, W-C has modeled the emission potential to determine the need for active versus passive gas control. If the modeling results then warrant testing, the testing would be completed following the 30% Design milestone.
- Property issues with the adjacent landowner to the south need to be addressed. Waste is located on the adjacent property owner's land. A study was completed by the EPA's contractor (Earth Tech) during the RI/FS that evaluated waste relocation costs versus property purchase. EPA will transmit this report to W-C.

**B. SUMMARY OF FINDINGS**

None.



**C. CHANGES MADE IN THE RD/RA**

None.

**D. PROBLEMS ENCOUNTERED**

None.

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

**F. KEY PERSONNEL CHANGES**

None.

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

**H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for March, April and May:

- Begin and complete preparation of the Remedial Design Work Plan. Submit document to EPA on April 18, 1996.
- Begin and complete preparation of the Technical Memorandum (QAPP update, FSP and HSP). Submit document to EPA on April 18, 1996.

**END OF PROGRESS REPORT**





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

September 27, 1996

Philip M. Moilanen  
Bullen, Moilanen, Klaasen & Swan  
402 South Brown Street  
Jackson, Michigan 49203  
FAX (517) 788-8507

RE: Albion-Sheridan Township Landfill Site  
Albion, Michigan

Dear Mr. Moilanen:

As you requested, enclosed are the Progress Reports for March, May and June 1996 regarding the above referenced Site. I will forward other such reports to you as those become available.

If you have any questions regarding this matter, please do not hesitate to call me at (312) 886-6831.

Sincerely yours,

A handwritten signature in black ink, appearing to read "K. Lindland", written over the typed name.

Kurt N. Lindland  
Assistant Regional Counsel

cc: Leah Evison/EPA/SR-6J



Printed on Recycled Paper

April 12, 1996  
6E07013-1

**VIA CERTIFIED MAIL**

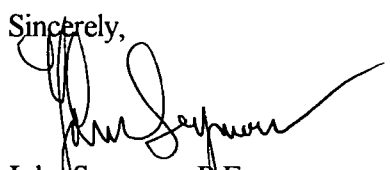
Ms. Leah Evison, Ph.D.  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 2  
March 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,

  
John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
K. Sakowski - MDEQ

DET22632.DOC



**PROGRESS REPORT NO. 2**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: March 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

**A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

Woodward-Clyde Consultants (W-C) submitted a draft Remedial Design Work Plan for Respondents (Cooper Industries and Corning, Inc.) review on March 28, 1996.

A phone conversation was held between Leah Evison (EPA) and John Seymour (W-C) on March 12, 1996 to discuss the Remedial Design Work Plan submittal. The following items were discussed during the call:

- Initially, a technical memorandum was to be prepared to update the Remedial Investigation and Feasibility Study (RI/FS) Quality Assurance Project Plan (QAPP) in lieu of preparing a new QAPP for the remedial design. After further consideration, Ms. Evison requested that a stand alone QAPP be prepared for the Remedial Design due to the date of the RIFS QAPP and the fact that it was written for an EPA laboratory.

**B. SUMMARY OF FINDINGS**

None.

**C. CHANGES MADE IN THE RD/RA**

None.

**D. PROBLEMS ENCOUNTERED**

None.



**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

**F. KEY PERSONNEL CHANGES**

None.

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

**H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for March, April and May:

- Submit the Remedial Design Work Plan document to EPA on April 18, 1996.



May 9, 1996  
6E07013-1

**VIA CERTIFIED MAIL**

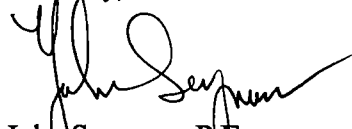
Ms. Leah Evison, Ph.D.  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 3  
April 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
K. Sakowski - MDEQ

DET22685.DOC





**PROGRESS REPORT NO. 3**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: April 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

**A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

Woodward-Clyde Consultants (W-C)/ Respondents (Cooper Industries and Corning, Inc.) submitted a draft Remedial Design Work Plan and supporting documents for Agency review on April 18, 1996.

W-C met with MDEQ, Earth Tech (EPA's Oversight Contractor), Respondents and Bidders at the Albion-Sheridan site for a Pre-Bid Meeting on April 25, 1996. Issues included three underground storage tanks identified onsite, test pit drum investigation, Lot 27, Parcel 5 waste, site access, stormwater handling, and fence reuse.

A phone conversation was held between Leah Evison (EPA) and Bob Gibson (W-C) on May 1, 1996 to discuss issues brought up at the Pre-Bid Site Meeting. The following items were discussed during the call:

- The 3 USTs can be removed and salvaged or incorporated under the cover per Ms. Evison's discussions with MDEQ
- The ABB Environmental Test Pit report was discussed and Evison will transmit a copy to W-C
- The debris pile and transfer station foundation on Lot 27, Parcel 5 are not part of the work. The State is responsible for all issues on Lot 27, Parcel 5
- Ms. Evison indicated that only waste located off the property to the east would require consolidation. The waste that is off the property to the west can be closed in place

**B. SUMMARY OF FINDINGS**

None.



**C. CHANGES MADE IN THE RD/RA**

None.

**D. PROBLEMS ENCOUNTERED**

None.

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

**F. KEY PERSONNEL CHANGES**

None.

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

**H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for May through July:

- Selection of the Design/Build Contractor and negotiate contract
- Receipt of Agency comments on the RD Work Plan
- Prepare a response letter responding to Agency review comments on the RD Work Plan and supporting documents and receive Agency approval of the RD Work Plan
- Pre-Design Studies field work will begin after Agency approval of the RD Work Plan
- Selection of Quality Assurance (QA) Officer for QA for the Design/Build Contractor's work

**END OF PROGRESS REPORT**



June 10, 1996  
6E07013-1

**VIA CERTIFIED MAIL**

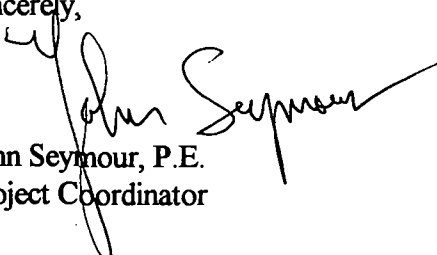
Ms. Leah Evison, Ph.D.  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 4  
May 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,

  
John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper

DET22761.DOC



**PROGRESS REPORT NO. 4**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: MAY 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

**A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

The agency comments on the Remedial Design Work Plan, dated May 22, 1996, were received on May 28, 1996. As agreed between Ms. Leah Evison and John Seymour, a response to comments is expected to include a revised RD Work plan within 21 days after receipt; therefore, the RD Work Plan is due to U.S. EPA no later than June 17, 1996. The U.S. EPA indicated a response letter was not required unless some comments required further clarification.

Remedial action design/build bids were received on May 28 and are under review.

**B. SUMMARY OF FINDINGS**

None.

**C. CHANGES MADE IN THE RD/RA**

None.

**D. PROBLEMS ENCOUNTERED**

None.

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

**F. KEY PERSONNEL CHANGES**

None.



**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

**H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for June through August:

- Submit revised RD Work Plan by June 17 in response to Agency review comments on the RD Work Plan and supporting documents and receive Agency approval of the RD Work Plan
- Selection of the Design/Build Contractor and negotiate contract
- Pre-Design Studies field work will begin after Agency approval of the RD Work Plan
- Selection of Quality Assurance (QA) Officer for QA for the Design/Build Contractor's work



K.04  
06/96

July 10, 1996  
6E07013-1

**VIA CERTIFIED MAIL**

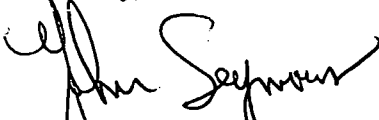
Ms. Leah Evison, Ph.D.  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 5  
June 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,

  
John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper

DET22796.DOC



**PROGRESS REPORT NO. 5**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: JUNE 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

**A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

The final RD Work Plan was submitted to the U.S. EPA on June 17, 1996.

Clarifications to the remedial action design/build bids were received and are under review.

U.S. EPA comments on the RD Health and Safety Plan were received on June 19, 1996. They will be incorporated by the design/build contractor.

A copy of the "consent to enter state owned property" for the site was transmitted to the Project Coordinator by the MDEQ in a letter dated June 11, 1996.

**B. SUMMARY OF FINDINGS**

None.

**C. CHANGES MADE IN THE RD/RA**

None.

**D. PROBLEMS ENCOUNTERED**

None.

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.



**F. KEY PERSONNEL CHANGES**

None.

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

**H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for June through August:

- Receive Agency approval of the RD Work Plan
- Selection of the Design/Build Contractor and negotiate contract
- Pre-Design Studies field work will begin after Agency approval of the RD Work Plan
- Selection of Quality Assurance (QA) Officer for QA for the Design/Build Contractor's work
- Submit a revised health and safety plan incorporating Agency comments





K.04  
02/96

## **The Albion-Sheridan Landfill PRP Group**

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August 12, 1996

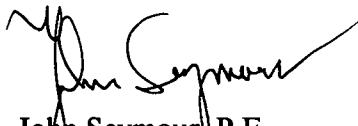
Ms. Leah Evison, Ph.D.  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 6  
July 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper

# **The Albion-Sheridan Landfill PRP Group**

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## **PROGRESS REPORT NO. 6**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: JULY 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

The Group selected Woodward-Clyde (WCC) as pre-design and remedial design contractor as well as Quality Assurance Officer for the design activities.

EPA provided approval with modifications of the RD Work Plan in a letter dated July 15, 1996.

The Group held a conference call on July 18, 1996 with Leah Evison (EPA) and Liz Bartz (Earth Tech) to discuss the RD Work Plan modifications and field work mobilization. The Group proposed a test pit excavation program to further delineate the extent of waste for optimized cover system design. EPA indicated that the test pit approach would be acceptable and to document the proposed program in a technical memorandum.

WCC and the Group made initial contact with adjacent landowners to gain access to their properties for well installation and test pit excavation.

WCC submitted RD Work Plan modifications on July 31, 1996. The submittal included revised pages to the Work Plan, Field Sampling Plan and Quality Assurance Project Plan. The submittal also included Technical Memorandum No. 1 (Test Pit Excavation Plan) and the Site-Specific Health and Safety Plan for WCC. The Site-Specific Health and Safety Plan incorporated comments from EPA dated June 14, 1996.

#### **B. SUMMARY OF FINDINGS**

None.

## **The Albion-Sheridan Landfill PRP Group**

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### **C. CHANGES MADE IN THE RD/RA**

As described in Item A above, the Group proposed that a test pit excavation program be added to the pre-design field investigation.

### **D. PROBLEMS ENCOUNTERED**

None.

### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

### **F. KEY PERSONNEL CHANGES**

None.

### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

Contacted Kevin Markovich (City of Albion) to request names and addresses of adjacent landowners.

Contacted the City of Albion Wastewater Treatment Facility and submitted groundwater analytical data for approval to dispose of well development water at their facility.

### **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for August:

- Finalize monitoring well access agreements with the City of Albion and Walt Gil and Sons properties.
- Mobilization and implementation of pre-design field investigation activities.
- Begin native species vegetation and landfill gas emissions studies.

# **The Albion-Sheridan Landfill PRP Group**

K. 04  
12/1/96

January 10, 1997

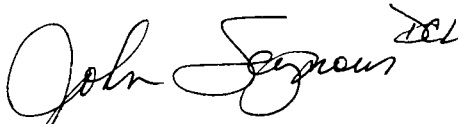
Ms. Leah Evison, Ph.D.  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 11  
December 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCC

# **The Albion-Sheridan Landfill PRP Group**

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## **PROGRESS REPORT NO. 11**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: DECEMBER 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

WCC initiated a conference call with the Michigan Department of Natural Resources Real Estate Division on December 16, 1996 to discuss property access agreement issues.

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES MADE IN THE RD/RA**

None.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

#### **F. KEY PERSONNEL CHANGES**

None.

# **The Albion-Sheridan Landfill PRP Group**

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## **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for January-March:

- Continue the Preliminary Design (30%) which is scheduled to be submitted to U.S. EPA on January 14, 1997. Due to subsequent discussions with EPA, the date will be extended to the week of January 20, 1997.
- Initiate Intermediate Design (60%) submittal consists solely of a meeting. This meeting (according to the Project Schedule) is scheduled for March 11, 1997, but will be delayed if the EPA/MDEQ 30% Design comments have not been received prior to that meeting date. The next deliverable following the Intermediate Design Meeting is the 95% Design Document
- Initiate Final Design.

K.04  
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## **The Albion-Sheridan Landfill PRP Group**

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February 10, 1997

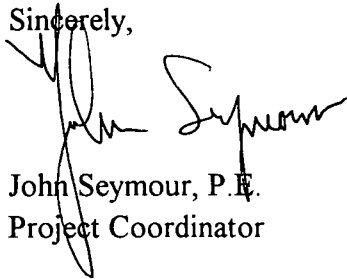
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 12  
January 1997  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCC

# **The Albion-Sheridan Landfill PRP Group**

## **F. KEY PERSONNEL CHANGES**

Jon Peterson replaced Leah Evison as EPA Remedial Project Manager.

## **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

A number of calls were placed with EPA and MDEQ to prepare for the February 4<sup>th</sup> meeting.

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for February through April:

- Address comments on the Preliminary Design (30%).
- A letter will be sent by the Albion-Sheridan Township Group (Group) to address certain comments by the agencies received in the February 4<sup>th</sup> meeting. Items to be addressed include: 1) a technical discussion of the equivalency of certain design details presented in the preliminary design concerning the size and spacing of the strip drains in the drainage system and the methodology for calculating the equivalent transmissivity, 2) a north-south hydrogeologic cross section to understand the relationship of the proposed detention pond with the landfill waste, 3) MDEQ would like to see the risers on the horizontal passive gas vent wells extended to 6 feet above the landfill surface to prevent clogging with snow in the winter, and 4) the location of the 2% cover slopes will be more clearly presented. The above items will be discussed with Earth Tech the first week of February.
- The EPA will be making arrangements for a public availability session to occur in the summer of 1997 to review the design.
- Intermediate Design (60%) submittal (consists of a meeting). This meeting, (according to the Project Schedule) is scheduled for March 11, 1997, but during the February 4, 1997 meeting, EPA indicated that the Intermediate Design Meeting may be omitted if the technical issues listed above can be resolved. The next deliverable following the Intermediate Design Meeting is the 95% Design Document.
- Initiate Final Design.



# **The Albion-Sheridan Landfill PRP Group**

## **PROGRESS REPORT NO. 12**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: JANUARY 1997**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- The preliminary design was submitted.
- The EPA Remedial Project Manager was changed to Jon Peterson.
- A meeting was held on February 4, 1997 to review the preliminary design and meet the new EPA Remedial Project Manager. A copy of the agenda is attached.

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES MADE IN THE RD/RA**

The detailed design of the passive gas collection system and infiltration drainage system were presented and discussed with the agencies.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

K.64  
08/96

## **The Albion-Sheridan Landfill PRP Group**

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September 11, 1996

Ms. Leah Evison, Ph.D.  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 7  
August 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper

# **The Albion-Sheridan Landfill PRP Group**

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## **PROGRESS REPORT NO. 7**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: AUGUST 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

The U.S. EPA approved the Final Remedial Design Work Plan on August 2, 1996.

Predesign field work was completed from August 5 to 15. The work included installation of 2 new groundwater monitoring wells and sampling of 32 monitoring wells. Test pits were excavated at 20 locations around the site to assess the perimeter of the waste.

Two groundwater monitoring wells, to be installed on the Gill property to the west of the Site, could not be constructed because an access agreement could not be resolved. Further discussions will be held with the Gill's during conceptual design.

#### **B. SUMMARY OF FINDINGS**

There were no significant findings in the Predesign program.

#### **C. CHANGES IN THE RD/RA**

There were no changes in the RD/RA; however, two of the new monitoring wells could not be installed as scheduled. Installation of these wells will be further considered during the preliminary design.

#### **D. PROBLEMS ENCOUNTERED**

Monitoring wells MW 10SB and MW 12S8 appear to have been slightly upheaved due to frost action, and MW 11SB was destroyed and could not be sampled.

## **The Albion-Sheridan Landfill PRP Group**

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The Albion waste water facility would not accept the well development and sample purge water for disposal, contrary to the RD Work Plan.

### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

The purge water was disposed back down the associated monitoring well in accordance with State of Michigan Department of Environmental Quality (DEQ) procedures. The development water is stored on site pending receipt of analytical results; if the water meets associated DEQ criteria, the water will be infiltrated on site in an approved area.

The U.S. EPA and MDEQ provided verbal approval of the changes described above.

### **F. KEY PERSONNEL CHANGES**

None.

### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

Mr. Gill was contacted concerning obtaining access to his property for well installation.

The Calhoun County Road Commission was contacted concerning obtaining access to the road right-of-way for installation of two new wells across the road from the Site.

U.S. EPA and MDEQ were contacted to discuss the access issues and development and purge water management.

The City of Albion waste water treatment plant personnel were contacted to arrange for disposal of site well water.

### **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for September/October:

- Preparation of the predesign studies report
- Evaluation of options for landfill cover configuration and property access
- Submittal of the predesign studies report by October 3, 1996.
- Continue native species vegetation and landfill gas emissions studies

The project is on schedule.

K.64  
09/96

## **The Albion-Sheridan Landfill PRP Group**

October 10, 1996

Ms. Leah Evison, Ph.D.  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 8  
September 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper

# **The Albion-Sheridan Landfill PRP Group**

## **PROGRESS REPORT NO. 8**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: September 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

Woodward-Clyde (WCC) received Pre-Design Study field investigation results from groundwater sampling, test pitting/waste delineation and site surveying.

WCC began analysis of the field investigation results.

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES IN THE RD/RA**

None.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None

## **The Albion-Sheridan Landfill PRP Group**

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### **F. KEY PERSONNEL CHANGES**

Corning lawyer has resigned to take another position send all legal correspondence care of Joan Lewis, Corning Legal Department, 1 Riverfront Plaza, Corning, New York 14831, (607) 974-7051.

### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

### **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for October:

- Finalize the Pre-Design Studies Report and submit to U.S. EPA/MDEQ on October 18, 1996, in accordance with the August 2, 1996 approved Remedial Design Work Plan.

The Pre-design studies report will include:

- Results of groundwater monitoring well installation and sample results
- Native vegetation study
- Gas emissions study
- Results of test pit program for delineation of the edge of waste

The Preliminary Design will be initiated on November 18 and is scheduled to be submitted to U.S. EPA January 14, 1997.

K.04  
10/96

## **The Albion-Sheridan Landfill PRP Group**

November 11, 1996

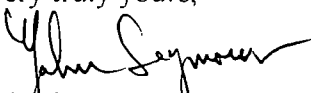
Ms. Leah Evison, PhD  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd- HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 9  
October 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Very truly yours,

  
John Seymour, P.E.  
Project Coordinator

enclosure

cc: J. Gray-Corning  
C. Smith- Cooper  
R. Gibson- WCC



# **The Albion-Sheridan Landfill PRP Group**

## **PROGRESS REPORT NO. 9**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: OCTOBER 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

Woodward-Clyde (WCC) submitted the Pre-Design Studies Report to EPA and MDEQ on October 17, 1996.

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES MADE IN THE RD/RA**

None.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

# **The Albion-Sheridan Landfill PRP Group**

## **PROGRESS REPORT NO. 9**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: OCTOBER 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

Woodward-Clyde (WCC) submitted the Pre-Design Studies Report to EPA and MDEQ on October 17, 1996.

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES MADE IN THE RD/RA**

None.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

## **The Albion-Sheridan Landfill PRP Group**

### **F. KEY PERSONNEL CHANGES**

None.

### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

### **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for November:

- Respond to EPA/MDEQ comments on the draft Pre-Design Studies Report.
- The Preliminary Design will be initiated on November 18 and is scheduled to be submitted to U.S. EPA on January 14, 1997.

K.04  
11/96

## **The Albion-Sheridan Landfill PRP Group**

December 13, 1996

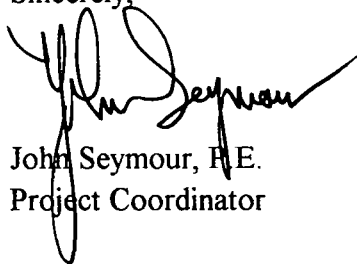
Ms. Leah Evison, Ph.D.  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 10  
November 1996  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Ms. Evison:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper

# **The Albion-Sheridan Landfill PRP Group**

## **PROGRESS REPORT NO. 10**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: NOVEMBER 1996**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

Woodward-Clyde (WCC) submitted the Final Pre-Design Studies Report to EPA and MDEQ on November 27, 1996 and the report was approved on December 4, 1996.

WCC initiated a conference call with EPA on November 15, 1996 to discuss landfill footprint consolidation and methods to optimize the remedial design of the landfill cap.

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES MADE IN THE RD/RA**

None.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

## **The Albion-Sheridan Landfill PRP Group**

### **F. KEY PERSONNEL CHANGES**

None.

### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

### **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for December-February:

- Respond to final EPA/MDEQ comments on the Pre-Design Studies Report dated December 4, 1996.
- Continue the Preliminary Design (30%) which is scheduled to be submitted to U.S. EPA on January 14, 1997.
- Initiate Intermediate Design (60%).

K.04  
6/2/97

## **The Albion-Sheridan Landfill PRP Group**

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March 7, 1997

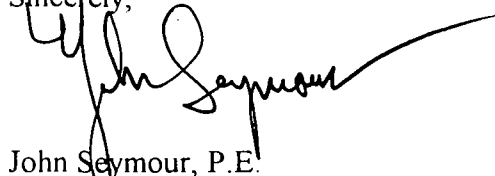
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 13  
February 1997  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCC

# **The Albion-Sheridan Landfill PRP Group**

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## **PROGRESS REPORT NO. 12**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: JANUARY 1997**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- The preliminary design was submitted.
- The EPA Remedial Project Manager was changed to Jon Peterson.
- A meeting was held on February 4, 1997 to review the preliminary design and meet the new EPA Remedial Project Manager. A copy of the agenda is attached.

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES MADE IN THE RD/RA**

The detailed design of the passive gas collection system and infiltration drainage system were presented and discussed with the agencies.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.



# **The Albion-Sheridan Landfill PRP Group**

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## **F. KEY PERSONNEL CHANGES**

Jon Peterson replaced Leah Evison as EPA Remedial Project Manager.

## **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

A number of calls were placed with EPA and MDEQ to prepare for the February 4<sup>th</sup> meeting.

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for February through April:

- Address comments on the Preliminary Design (30%).
- A letter will be sent by the Albion-Sheridan Township Group (Group) to address certain comments by the agencies received in the February 4<sup>th</sup> meeting. Items to be addressed include: 1) a technical discussion of the equivalency of certain design details presented in the preliminary design concerning the size and spacing of the strip drains in the drainage system and the methodology for calculating the equivalent transmissivity, 2) a north-south hydrogeologic cross section to understand the relationship of the proposed detention pond with the landfill waste, 3) MDEQ would like to see the risers on the horizontal passive gas vent wells extended to 6 feet above the landfill surface to prevent clogging with snow in the winter, and 4) the location of the 2% cover slopes will be more clearly presented. The above items will be discussed with Earth Tech the first week of February.
- The EPA will be making arrangements for a public availability session to occur in the summer of 1997 to review the design.
- Intermediate Design (60%) submittal (consists of a meeting). This meeting, (according to the Project Schedule) is scheduled for March 11, 1997, but during the February 4, 1997 meeting, EPA indicated that the Intermediate Design Meeting may be omitted if the technical issues listed above can be resolved. The next deliverable following the Intermediate Design Meeting is the 95% Design Document.
- Initiate Final Design.

## **The Albion-Sheridan Landfill PRP Group**

K.64  
03/97

April 10, 1997

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 14  
March 1997  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCC

## **PROGRESS REPORT NO. 14**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: MARCH 1997**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- Comments were received from the EPA on the Preliminary Design Report in a letter dated March 4, 1997.
- A conference call was held with the EPA, MDEQ, the Group and Woodward-Clyde to discuss the comments on the Preliminary Design on March 13.
- EPA, MDEQ and Woodward-Clyde visited the site on March 28, 1997 to collect a round of groundwater levels from site monitoring wells.

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES MADE IN THE RD/RA**

The drain layer design presented in the Preliminary Design will be modified and an imported sand or synthetic drain layer will be included in the 95% design. The design revisions will cause a delay in submitting the 95% design; the delay was discussed with the EPA during the March 28 site visit.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

**F. KEY PERSONNEL CHANGES**

None.

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

Calls to EPA were made to discuss the March 28 site visit.

**H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for April through June:

- Finalize a response to the comments on the Preliminary (30%) Design; the response will be provided in a letter to be submitted to the EPA on April 11, 1997.
- The 95% Design and draft Remedial Action Plan (RAP) will be submitted concurrently to the EPA on May 9, 1997. The 95% design is being submitted later than originally scheduled to include the comments and make revisions to the drainage layer design. The draft RAP is being submitted earlier than originally scheduled to enable an early start on making necessary construction contracting arrangements; it is not required to be submitted until June 9, 1997.
- The final design will be initiated.
- The EPA will be making arrangements for a public availability session to occur in the summer of 1997 to review the design.

**The Albion-Sheridan Landfill PRP Group**

12.04  
05/97

June 12, 1997

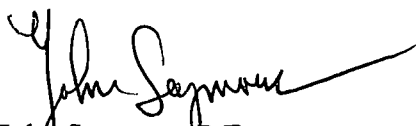
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 16  
May 1997  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCC

**PROGRESS REPORT NO. 16**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: MAY 1997**

This Progress Report is submitted in accordance with Paragraph 48 of the Administrative Order, thereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next reporting period.

**A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- WCC submitted the Final Design Document and Remedial Action Work Plan on May 9, 1997.
- WCC submitted a response letter dated May 9, 1997 to the April 21, 1997 MDEQ letter and April 7, 1997 EPA email regarding follow up comments on the 30% Design Document.

**B. SUMMARY OF FINDINGS**

None.

**C. CHANGES MADE IN THE RD/RA**

None.

**D. PROBLEMS ENCOUNTERED**

None.

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

**F. KEY PERSONNEL CHANGES**

None.

## **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

- Liz Bartz (EarthTech) contacted Robert Gibson (WCC) requesting geotechnical testing results from the borrow source testing referenced in the Final Design Document. The information was subsequently submitted as requested.
- Jon Peterson (EPA) and Kim Sakowski (MDEQ) contacted John Seymour (WCC) to discuss completing a “mixing zone determination” for site groundwater wells at the groundwater/surface water interface. Seymour indicated that the data would be transmitted to Ms. Sakowski’s attention.

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for June/July:

- Respond to USEPA and MDEQ comments on the Final Design and Remedial Action Work Plan.
- Prepare bid package for selection of Remedial Action contractor.

# **The Albion-Sheridan Landfill PRP Group**

K104  
06/97

July 10, 1997

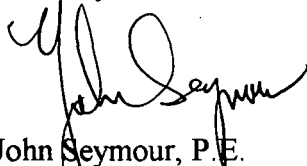
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 17  
June 1997  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCC



# **The Albion-Sheridan Landfill PRP Group**

---

## **PROGRESS REPORT NO. 17**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: JUNE 1997**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- WCC submitted information to the MDEQ (Kim Sakowski) on June 3, 1997 at the request of U.S. EPA. The information explained WCC's approach to addressing MDEQ comments on their request for a "mixing zone determination".
- WCC submitted requests for prequalification packages to interested contractors for the Albion-Sheridan Township Landfill remedial action.
- EPA submitted comments on the final design in a letter dated June 11, 1997.

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES MADE IN THE RD/RA**

None.

#### **D. PROBLEMS ENCOUNTERED**

The U.S. EPA submitted comments on the final design that raised new issues concerning the design; this will delay sending out bid packages to remedial action contractors. A revised project schedule will be forthcoming.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

The ASTL Group is working with the agencies to resolve the comments.

# **The Albion-Sheridan Landfill PRP Group**

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## **F. KEY PERSONNEL CHANGES**

None.

## **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

John Seymour (WCC) contacted Jon Peterson (U.S. EPA) to discuss the comments on the final design.

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for July/August:

- Respond to U.S. EPA and MDEQ comments on the Final Design and Remedial Action Work Plan.
- Prepare bid package for selection of the Remedial Action contractor.

# **The Albion-Sheridan Landfill PRP Group**

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K.04  
08/97

September 11, 1997

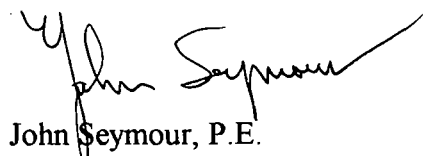
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 19  
August 1997  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCIA

# **The Albion-Sheridan Landfill PRP Group**

---

## **PROGRESS REPORT NO. 17**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: JUNE 1997**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- WCC submitted information to the MDEQ (Kim Sakowski) on June 3, 1997 at the request of U.S. EPA. The information explained WCC's approach to addressing MDEQ comments on their request for a "mixing zone determination".
- WCC submitted requests for prequalification packages to interested contractors for the Albion-Sheridan Township Landfill remedial action.
- EPA submitted comments on the final design in a letter dated June 11, 1997.

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES MADE IN THE RD/RA**

None.

#### **D. PROBLEMS ENCOUNTERED**

The U.S. EPA submitted comments on the final design that raised new issues concerning the design; this will delay sending out bid packages to remedial action contractors. A revised project schedule will be forthcoming.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

The ASTL Group is working with the agencies to resolve the comments.

# **The Albion-Sheridan Landfill PRP Group**

---

## **F. KEY PERSONNEL CHANGES**

None.

## **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

John Seymour (WCC) contacted Jon Peterson (U.S. EPA) to discuss the comments on the *final design*.

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for July/August:

- Respond to U.S. EPA and MDEQ comments on the Final Design and Remedial Action Work Plan.
- Prepare bid package for selection of the Remedial Action contractor.

K.O.Y  
09/97

## **The Albion-Sheridan Landfill PRP Group**

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October 10, 1997

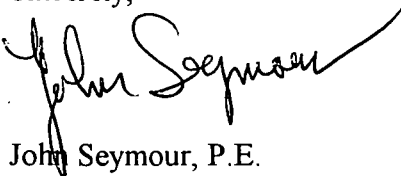
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 20  
September 1997  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCIA

# **The Albion-Sheridan Landfill PRP Group**

---

## **PROGRESS REPORT NO. 20**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: SEPTEMBER 1997**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- A public availability session was held in Albion on September 24, 1997
- Woodward-Clyde International-Americas (WCIA) submitted requests for bid to five contractors and conducted a prebid site inspection/meeting
- EPA approved the final design on September 4, 1997
- A consultant for Decker Manufacturing sampled well MW-6SB on September 24, 1997

#### **B. SUMMARY OF FINDINGS**

None.

#### **C. CHANGES MADE IN THE RD/RA**

Gas probe monitoring was added around the perimeter of the landfill for long term assessment of gas migration.

#### **D. PROBLEMS ENCOUNTERED**

While the consultant for Decker Manufacturing was sampling, a teflon bailer was dropped into well MW-6SB.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

## **The Albion-Sheridan Landfill PRP Group**

The bailer in well MW-6SB will be retrieved after the remedial construction contractor mobilizes to the Site.

### **F. KEY PERSONNEL CHANGES**

None.

### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

WCIA assisted the U.S. EPA and MDEQ at the September 24, 1997 public availability session.

### **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for October/November:

- Receive bids and select a contractor.
- Mobilize to the Site
- Incorporate the final U.S. EPA comments on the remedial design.



# **The Albion-Sheridan Landfill PRP Group**

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## **PROGRESS REPORT NO. 21**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: OCTOBER 1997**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- OHM Remediation Services was selected by the Group and U.S. EPA was notified.
- The Group has been working at obtaining access to the adjacent properties and to the Site to conduct the remedial action.
- The Group selected Woodward-Clyde International-Americas (WCIA) to be the Quality Assurance Officer (QAO). This progress report provides the U.S. EPA notification as required by the UAO, paragraph 34.

#### **B. SUMMARY OF FINDINGS**

It was identified that the State of Michigan Department of Natural Resources, who owned the Site because the previous owner lost the property because of failure to pay taxes, conveyed title to the Site to another private party. This other private party cannot be located. Further, agreement for access to the property west of the Site has not been reached.

#### **C. CHANGES MADE IN THE RD/RA**

The schedule is proposed to be modified to complete the waste consolidation, gas collection/venting system, clearing and grubbing, underground storage tank removal, and debris salvage in the spring of 1998 instead of the fall/winter of 1997. This change is necessary because of the delay encountered because the Site was conveyed to another private party and a new access agreement has not been obtained. The drum removal activity is still planned for 1997 provided access can be obtained by mid-November.

# **The Albion-Sheridan Landfill PRP Group**

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## **D. PROBLEMS ENCOUNTERED**

Site access to complete the work has been delayed because of the discovery of the conveyance of the title to the Site to another private party. This other private party cannot be located.

## **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

The U.S. EPA has provided information to the Project Coordinator to help locate the new owner of the Site.

The Project coordinator and Group real estate counsel are investigating whether the correct title conveyance/sale process was followed by MDNR; if the correct process was not followed, the conveyance/sale may be voided and the MDNR would resume ownership of the Site and access would be granted under a "Consent to Enter State Owned Property" notice already provided to the Group by the MDNR.

## **F. KEY PERSONNEL CHANGES**

The following personnel have been designated for the remedial action component of the project:

Contractor:	OHM Remediation Services (OHM)
Contractor Project Manager:	James Kujawa
Contractor Site Superintendent:	Drum Removal: Richard Fisher Construction: Michael Geiser
Laboratory:	Drum Characterization: OHM
Contractor Health & Safety Officer:	Michael Zustra
Resident Engineer:	Drum Removal: Anthony Misercola, WCIA Capping: Robert Bennett, WCIA
Quality Assurance Officer/Manager:	John Seymour, WCIA
QC Personnel:	WCIA

These names should be placed in the organization chart for the Remedial Action Plan and the Construction Quality Assurance Plan.

## **The Albion-Sheridan Landfill PRP Group**

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### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

### **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for November/December:

- Resolve Site access issues,
- The U.S. EPA intends to sample two monitoring wells located west and north of the Site,
- Mobilize to the Site,
- Incorporate the final U.S. EPA comments on the remedial design.

K.04  
12/11/97

## The Albion-Sheridan Landfill PRP Group

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December 9, 1997

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 22  
November 1997  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCC

# **The Albion-Sheridan Landfill PRP Group**

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## **PROGRESS REPORT NO. 22**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: NOVEMBER 1997**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- The contract with OHM Remediation Services was executed and they began mobilization activities for the drum removal.
- The Group resolved access issues to the Site and the Luster Prater properties to conduct the remedial action.

#### **B. SUMMARY OF FINDINGS**

The MDNR was contacted and it was agreed that because the sale of the Site and the parcel immediately south of the Site was to be voided, access granted under the MDNR notice sent to the Group would be adequate to conduct work on the Site.

#### **C. CHANGES MADE IN THE RD/RA**

No significant changes were made to the RD/RA.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

# **The Albion-Sheridan Landfill PRP Group**

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## **F. KEY PERSONNEL CHANGES**

The following personnel have been designated for the remedial action component of the project:

Resident Engineer:                      Drum Removal: Anthony Misercola, WCIA  
   Drum Removal field representative: Cliff Yantz

## **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

The MDNR was contacted by letter and follow up telephone call to resolve the approach to gain access to the Site.

Luster Prater was contacted to obtain access across the his parcel located to the south of the Site for the drum removal.

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for December/January:

- Mobilize to the Site,
- Complete the drum activities
- Incorporate the final U.S. EPA comments on the remedial design.

# The Albion-Sheridan Landfill PRP Group

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K.04  
12/97

January 12, 1998

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 23  
December 1997  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCC

## **PROGRESS REPORT NO. 23**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: DECEMBER 1997**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- A letter providing a response to U.S. EPA final design comments was submitted on December 1, 1997.
- The drum removal field activities commenced on December 3 and were completed on December 19, 1997. The findings are discussed in the next section.
- A drum removal kick-off meeting was held on December 4<sup>th</sup> among EarthTech (for U.S. EPA), Woodward-Clyde (for the Group) and OHM Remediation Services (the Contractor).
- U.S. EPA oversight for the drum removal was conducted by EarthTech personnel.
- A meeting was held among Cooper Industries, Corning, Inc., and the U.S. EPA Regional Counsel on December 9<sup>th</sup> to discuss future site remedial activities.
- The monthly progress report was submitted on December 9, 1997.

#### **B. SUMMARY OF FINDINGS**

The following summarizes the findings and general activities of the drum removal:

- Mobilization consisted of installations of temporary trailer and portable electricity generator, construction of the drum storage pad using 40-mil HDPE, delivery of equipment to the site, and finalization of OHM's health and safety plan.
- Test pits were completed in the drum storage pad area on December 8<sup>th</sup> to identify whether there were drums in the area prior to construction of the pad. Four, empty, crushed drums were located within municipal trash, and removed.



- An EarthTech representative visited the site to indicate where the drums were to be expected in the area of TP09; this visit was beneficial to be more accurate in locating the drums because the location marker for TP09 could not be found.
- Removal of 206 drums containing waste and removal of 89 empty drums was completed from December 9 through 17. Approximately 65% of the drums contained liquids, 17% contained solids, and 18% contained sludge. One 30-gallon container was removed in addition to the 55-gallon drums required to be removed by the UAO.
- Drums were placed on a steel, drip-containment pan, sampled, overpacked and then placed on the drum storage pad. Essentially all drums were overpacked because of the high incidence of liquids or sludges in the drums.
- Empty drums were placed in the excavation area, crushed, and backfilled using material previously removed from the excavation.
- Demobilization consisted of removal of all equipment and covering the drums with a tarp.

#### **C. CHANGES MADE IN THE RD/RA**

No significant changes were made to the RD/RA.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

#### **F. KEY PERSONNEL CHANGES**

None.

#### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

Luster Prater granted access for vehicles to cross his parcel located to the south of the Site for the drum removal.

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for January/February include:

- Receive drum compatibility and characterization test results and decide on method of disposition.
- Dispose of drummed waste either on site (if non-hazardous solids) or at an appropriate off site licensed facility.

K.4  
2/10/98

## The Albion-Sheridan Landfill PRP Group

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February 10, 1998


Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 24  
January 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WCC

# **The Albion-Sheridan Landfill PRP Group**

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## **PROGRESS REPORT NO. 24**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: JANUARY 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES PERFORMED THIS REPORTING PERIOD**

- Drum waste compatibility tests were completed.
- The monthly progress report was submitted on January 12, 1998.

#### **B. SUMMARY OF FINDINGS**

The following summarizes the status of the drum removal:

- All drums remain stored on site.
- Based upon compatibility testing, 10 waste composites were sent for waste characterization for disposal purposes.

#### **C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

#### **D. PROBLEMS ENCOUNTERED**

None.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None.

# **The Albion-Sheridan Landfill PRP Group**

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## **F. KEY PERSONNEL CHANGES**

None.

## **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None.

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for February/March include:

- Receive drum characterization test results and decide on method of disposition.
- Dispose of drummed waste either on site (if non-hazardous solids) or at an appropriate off site licensed facility.

K.04  
02/98

## The Albion-Sheridan Landfill PRP Group

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March 10, 1998

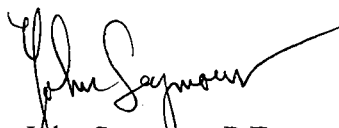
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 25  
February 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC

# **The Albion-Sheridan Landfill PRP Group**

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## **PROGRESS REPORT NO. 25**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: FEBRUARY 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES DURING THIS REPORTING PERIOD**

- Drum waste characterization tests were completed.
- A list of hazardous waste TSDFs for the disposal of drummed materials was sent to U.S. EPA for approval.
- The ASTL group companies were sued by the City of Albion in connection with the Albion-Sheridan Township Landfill.
- The monthly progress report was submitted on February 10, 1998.

#### **B. SUMMARY OF FINDINGS**

The following summarizes the status of the drum removal:

- All drums remain stored on site.
- The waste characterization test indicated the majority of the waste will require incineration. The remaining hazardous wastes will be sent to a landfill and non-hazardous solid wastes will stay at the landfill.

#### **C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

#### **D. PROBLEMS ENCOUNTERED**

None

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None required.

## **The Albion-Sheridan Landfill PRP Group**

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### **F. KEY PERSONNEL CHANGES**

Roy F. Weston (Mark Kleiner) replaced EarthTech as U.S. EPA's oversight contractor.

### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None

### **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for March/April include:

- Dispose of drummed waste either on site (if non-hazardous solids) or at an appropriate off site licensed facility. All drums requiring off site disposal will be taken off site by March 10.
- Begin preparation to mobilize to the field for continuation of remedial construction.



K.04  
3/10/98**Woodward-Clyde**

Engineering &amp; sciences applied to the earth &amp; its environment

**FAX TRANSMITTAL FORM**DATE: 3-10-98 TIME: 4:30 AM (PM)Page 1 of 4

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: <u>Jon Peterson</u>	PHONE: ( ) _____
COMPANY: <u>USEPA</u>	FAX: <u>(312) 886-4071</u>

THIS FAX IS BEING SENT BY:

NAME: <u>John Seymour</u>	PHONE: (313) 464-1800
OF: <u>WOODWARD-CLYDE</u>	FAX: (313) 464-1823
<u>38777 W. Six Mile Rd., Suite 200</u>	
<u>Livonia, Michigan 48152</u>	

Project/Task Number: 6E07013-11☒ Original sent separately if this box is checked.**MESSAGE**

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**IF TRANSMISSION IS INTERRUPTED OR RECEIVED INCOMPLETE,  
PLEASE CONTACT us at (313) 464-1800.**

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Thank you.

Woodward-Clyde, A division of URS Corporation.  
38777 West Six Mile Road, Suite 200, Livonia, Michigan 48152  
313-464-1800; Fax 313-464-1823

1c.04  
03/98

# The Albion-Sheridan Landfill PRP Group

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April 10, 1998

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 26  
March 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC

# **The Albion-Sheridan Landfill PRP Group**

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## **PROGRESS REPORT NO. 26**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: MARCH 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES DURING THIS REPORTING PERIOD**

- All drums that are required to be sent off site for treatment and/or disposal were sent in March.
- A list of hazardous waste TSDFs for the disposal of drummed materials was approved by U.S. EPA.
- The monthly progress report was submitted on March 10, 1998.

#### **B. SUMMARY OF FINDINGS**

The following summarizes the status of the drum removal:

- Only non hazardous solid wastes in drums remain stored on site.
- All other drums were sent to either ENSCO, El Dorado, Oklahoma, or Michigan Disposal, Belleville, Michigan.

#### **C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

#### **D. PROBLEMS ENCOUNTERED**

None

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None required.

#### **F. KEY PERSONNEL CHANGES**

None

## **The Albion-Sheridan Landfill PRP Group**

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### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None

### **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for April/May include:

- If access and ownership issues are adequately resolved, we will begin preparation to mobilize to the field for continuation of remedial construction.

K.04  
04/98

## The Albion-Sheridan Landfill PRP Group

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May 11, 1998

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 27  
April 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC

# **The Albion-Sheridan Landfill PRP Group**

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## **PROGRESS REPORT NO. 27**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: APRIL 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES DURING THIS REPORTING PERIOD**

- The monthly progress report was submitted on April 10, 1998.
- Legal counsel for the ASTL Group notified EPA Regional Counsel that remaining remedial action activities cannot be completed at this time because of unresolved access and ownership issues regarding adjacent off site properties.

#### **B. SUMMARY OF FINDINGS**

No findings are reported for this month.

#### **C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

#### **D. PROBLEMS ENCOUNTERED**

None

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None required.

#### **F. KEY PERSONNEL CHANGES**

None

#### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None

# **The Albion-Sheridan Landfill PRP Group**

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## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for May/June include:

- Once access and ownership issues raised in the letter of the ASTL Group's counsel are resolved, the ASTL Group will begin preparation to mobilize to the field for continuation of remedial construction.

WARNER, NORCROSS & JUDD  
ATTORNEYS

JOHN DUNN - *Buttsworth*  
EUGENE E. SMARY *Contract*

800 OLD KENT BUILDING  
GRAND RAPIDS, MICHIGAN 49503  
TELEPHONE 616 • 452-2000  
FAX 616 • 452-2000

752-2000  
752-2500



Koy  
05/98

## **The Albion-Sheridan Landfill PRP Group**

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June 10, 1998

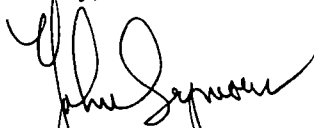
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 28  
May 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC

**PROGRESS REPORT NO. 28**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: MAY 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

**A. ACTIVITIES DURING THIS REPORTING PERIOD**

- The monthly progress report was submitted on May 11, 1998.
- Legal counsel for the ASTL Group continues to have discussions to resolve off-site access issues.

**B. SUMMARY OF FINDINGS**

No findings are reported for this month.

**C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

**D. PROBLEMS ENCOUNTERED**

None

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None required.

**F. KEY PERSONNEL CHANGES**

James Kujawa of OHM Remediation Services has left the firm and has been replaced by John Henni.

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for June/July include:

- Once access, ownership and the other issues raised in the letter of the ASTL Group's counsel are resolved, the ASTL Group will begin preparation to mobilize to the field for continuation of remedial construction.

K:04  
06/98

## **The Albion-Sheridan Landfill PRP Group**

July 10, 1998

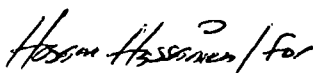
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 29  
June 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC

**PROGRESS REPORT NO. 29**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: JUNE 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

**A. ACTIVITIES DURING THIS REPORTING PERIOD**

- The monthly progress report was submitted on June 11, 1998.
- Legal counsel for the ASTL Group continues to have discussions to resolve off-site access issues.
- EPA indicated that an access agreement was reached with SCS (owner of off-site adjacent properties); however, legal issues remain to be resolved.

**B. SUMMARY OF FINDINGS**

No findings are reported for this month.

**C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

**D. PROBLEMS ENCOUNTERED**

None

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None required.

**F. KEY PERSONNEL CHANGES**

None

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None

## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for July/August include:

- Once access, ownership and the other issues raised in the letter of the ASTL Group's counsel are resolved, the ASTL Group will begin preparation to mobilize to the field for continuation of remedial construction.

K4  
07/98

# The Albion-Sheridan Landfill PRP Group

August 10, 1998

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 30  
July 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



For John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC

K'04  
07/98

**PROGRESS REPORT NO. 30**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: JULY 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

**A. ACTIVITIES DURING THIS REPORTING PERIOD**

- The monthly progress report was submitted on July 10, 1998.
- The ASTL Group has resolved off-site access issues.
- Notice to Proceed has been given to OHM Remediation Services to continue remedial activities at the site.

**B. SUMMARY OF FINDINGS**

No findings are reported for this month.

**C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

**D. PROBLEMS ENCOUNTERED**

None

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None required.

**F. KEY PERSONNEL CHANGES**

John Nenni will be OHM's Project Manager. He replaces Jim Kujawa.

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None



## **H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for August/September include:

- Clearing and grubbing
- Surface debris removal/storage
- Installation of additional monitoring wells
- Closure of two underground storage tanks
- Abandonment of leachate/monitoring wells

614  
08/98

**The Albion-Sheridan Landfill PRP Group**

---

September 10, 1998

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 31  
August 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC

## **PROGRESS REPORT NO. 31**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: AUGUST 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES DURING THIS REPORTING PERIOD**

- The monthly progress report was submitted on August 10, 1998.
- OHM and W-C conducted a site visit on August 6 and mobilized to the site on August 17 to initiate site clearing.
- 7 of 8 monitoring wells were abandoned.

#### **B. SUMMARY OF FINDINGS**

No findings are reported for this month.

#### **C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

#### **D. PROBLEMS ENCOUNTERED**

One monitoring well scheduled for abandonment could not be found and was not able to be abandoned as planned.

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

A search for the well will be initiated after the foliage is reduced in the fall or winter and the well will be marked/flagged for future abandonment.

#### **F. KEY PERSONNEL CHANGES**

None

#### **G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None

**PROGRESS REPORT NO. 31**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: AUGUST 1998**

**H. PLANNED UPCOMING EVENTS**

Activities planned to begin/continue for August/September include:

- Completion of site clearing (off-site clearing, outside of the fence, and grubbing will be completed at a later date)
- Installation of erosion controls.
- Surface debris removal/salvage
- Installation of additional monitoring wells (scheduled to begin on September 1).
- Closure of two underground storage tanks (scheduled for September 9).

At this time, the group anticipates further schedule discussions will occur with the U.S. EPA and Department of Justice on September 15<sup>th</sup> in the context of the scheduled settlement conference.

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09/98  
M

# The Albion-Sheridan Landfill PRP Group

October 12, 1998

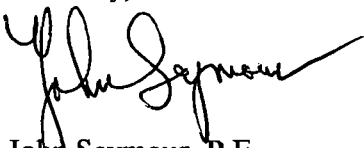
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 32  
September 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.


Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC



K.64  
6/9/98

## **PROGRESS REPORT NO. 32**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: SEPTEMBER 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

#### **A. ACTIVITIES DURING THIS REPORTING PERIOD**

- OHM removed the two underground storage tanks on September 9, 1998.
- OHM completed site clearing and installed silt fencing by September 5, 1998.
- Surface debris was primarily salvaged.
- Two monitoring wells were installed and developed (MW-9DB and MW-15SB) by September 15, 1998.
- OHM demobilized on September 16, 1998.
- The monthly progress report was submitted on September 10, 1998.
- A hearing before a judicial magistrate was held on September 15<sup>th</sup> to discuss cost allocation between the four potentially responsible parties (PRPs).

#### **B. SUMMARY OF FINDINGS**

No findings are reported for this month.

#### **C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

#### **D. PROBLEMS ENCOUNTERED**

#### **E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

#### **F. KEY PERSONNEL CHANGES**

None

**PROGRESS REPORT NO. 32**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: SEPTEMBER 1998**

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC  
REPRESENTATIVES**

None

**H. PLANNED UPCOMING EVENTS**

At this time, the group anticipates further schedule discussions will occur with the PRPs and U.S. EPA. Provided a settlement is reached, the remaining landfill closure activities will be completed in 1999.

L.04  
10/98**The Albion-Sheridan Landfill PRP Group**

November 10, 1998

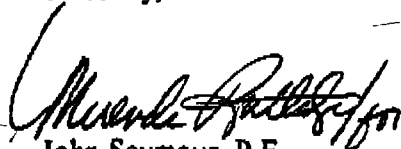
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 33  
October 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: 6E07013-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC



**PROGRESS REPORT NO. 33****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: OCTOBER 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

**A. ACTIVITIES DURING THIS REPORTING PERIOD**

- Underground storage tank (UST) soil samples from the excavation below the two USTs removed in September 1998 indicated no presence of petroleum.
- The UST closure report is being prepared and will be submitted to MDEQ.
- Well abandonment records for abandonment activities conducted in September 1998 are attached.
- Boring and well construction logs for two wells installed in September 1998 are attached.
- The monthly progress report was submitted on October 12, 1998
- Settlement discussions among the ASTL Group and two other potentially responsible parties are under way.

**B. SUMMARY OF FINDINGS**

No findings are reported for this month.

**C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

**D. PROBLEMS ENCOUNTERED****E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS****F. KEY PERSONNEL CHANGES**

None

**PROGRESS REPORT NO. 33****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: OCTOBER 1998****G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC  
REPRESENTATIVES**

None

**H. PLANNED UPCOMING EVENTS**

At this time, the group anticipates further schedule discussions will occur with the PRPs and U.S. EPA. Provided a settlement is reached, the remaining landfill closure activities will be completed in 1999.

**OHM Remediation  
Services Corp.**

A Subsidiary of OHM Corporation

October 8, 1998

680 7013



Mr. John Seymour, P.E.  
Vice President  
Woodward-Clyde Consultants  
38777 West Six Mile Road  
Suite 200  
Livonia, Michigan 48152

**Re: Albion-Sheridan Township Landfill, Calhoun County, Michigan,  
OHM/IT Project 920374**

Dear Mr. Seymour:

OHM Remediation Services Corp, a wholly owned subsidiary of IT Corporation, is pleased to present this report for the well abandonment activities to Woodward-Clyde Consultants for the above referenced project. Field activities were performed August 31, 1998 and September 1, 1998.

Six monitoring wells (MW-S, MW-W, MW-E, LF01, LF02 and LF03) were abandoned on August 31, 1998 in accordance with the procedures presented in the contract specification and the State of Michigan Act 451, part 625. Monitoring well MW-13SG was not abandoned because it could not be located. In addition, field observations indicated monitoring well MW-11SG had previously been abandoned as evidenced by hydrated bentonite pellets and the discarded well casing and screen at the location of the borehole. Attachment A presents a summary of well abandonment activities performed for the project.

Well abandonment was performed by attempting to remove each well casing and screen using "pulling/tremie grouting methods". The bottom well cap was removed in the polyvinyl chloride (PVC) wells before grout was tremie pumped into the screen and casing. Following the initial tremie grout placement, the casing and screen were pulled from the ground and the borehole was tremie grouted. Wells constructed of galvanized steel were pulled without removing the bottom cap followed by tremie grouting. Additional grout was added to each well following settlement.

The wells were inspected on September 1, 1998 to determine if additional grout was required to complete the abandonment activities. Results indicated that the grout in each well had not settled and had cured at the existing ground surface.

Approximately 52 cubic feet of grout was used to abandon 165 linear feet of well screen,

Mr. Seymour

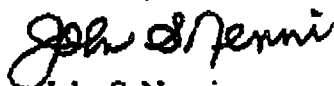
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October 8, 1998

casing and borehole for the project. The abandoned well screen, casing, standpipes and concrete were stockpiled onsite for future disposal during the landfill construction activities. A CME-55 truck mounted drill rig equipped with a gear pump was used for the well abandonment activities.

Please call me at 419-425-6288 if you have any questions.

Sincerely,



John S. Nenni  
Project Manager

cps:JSN

Attachment

**Attachment A**

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**Summary of Well Abandonment Activities**

**Summary of Well Abandonment Activities  
Albion-Sheridan Township Landfill  
Albion, Michigan**

Page 1 of 2

Well ID	Date		Total Measured Well Depth (ft) <sup>a</sup>	Abandonment			Static Water Level (ft) <sup>a</sup>	Sediment Present (yes/no)
	Started	Completed		Method	Initial Grout Volume (ft <sup>3</sup> )	Additional Grout Volume <sup>a</sup> (ft <sup>3</sup> )		
MW-S	8/31/98	8/31/98	25.0	Pull Casing, Tremie Grout. <sup>b</sup>	4	1.5	13.85	No
LF03	8/31/98	8/31/98	35.0	Bottom plug removed with drill rods, Pull Casing, Tremie Grout. <sup>b, c</sup>	7	1.5	34.80	No
LF01	8/31/98	8/31/98	37.5	Bottom plug removed with drill rods, Pull Casing, Tremie Grout. <sup>b, c</sup>	7	2	29.50	No
MW-W	8/31/98	8/31/98	40.0	Pull Casing, Tremie Grout. <sup>b</sup>	7	2	32.80	No
LF02	8/31/98	8/31/98	20.0	Pull Casing, Tremie Grout. <sup>b, d</sup>	11	3	17.75	No
MW-E	8/31/98	8/31/98	23.0	Pull Casing, Tremie Grout. <sup>b</sup>	5	1	25.5	No
MW- 11SG	8/31/98	8/31/98	--	The well was not present during inspection. Observations indicate the well was removed and filled with bentonite chips.	--	--	--	--

**Notes:**

- a. Measured from the top of the well casing.
- b. Grout mixture consisted of an approximate ratio of 97 pounds of Portland cement to 3 pounds of bentonite clay.
- c. Well casing broke at the first 5-foot section of well casing during pulling activities. The remaining well casing and screen were abandoned in place.
- d. Borehole caved at 16.5 feet below the ground surface when the well casing and screen were removed from the ground.
- e. Additional grout was added on 8/31/98.
- Not applicable

**Summary of Well Abandonment Activities  
Albion-Sheridan Township Landfill  
Albion, Michigan**

Page 2 of 2

Well ID	Well Screen and Well Casing <sup>1</sup>					Surface Casing		
	Construction Material	Diameter (inch)	Condition	Screen Length (ft)	Casing Length (ft)	Construction Material	Length (ft)	Condition (ft)
MW-S	Galvanized	2	Good	5.0	20.0	The well was not installed with a surface casing.	--	--
LF03	PVC, schedule 40	2	Good	10.0	25.0	4 inch square aluminum with concrete pad	3.5	Very Good
LF01	PVC, schedule 40	2	Good	10.0	27.5	4 inch square aluminum with concrete pad	3.5	Very Good
MW-W	Galvanized	2	Good	5.0	35.0	The well was not installed with a surface casing.	--	--
LF02	PVC, schedule 40	2	Good	10.0	10.0	4 inch square aluminum with concrete pad	3.5	Very Good
MW-E	Galvanized	2	Good	5.0	23.0	The well was not installed with a surface casing.	--	--
MW-11SG	The well was not present during inspection. Observations indicate the well was removed and filled with bentonite chips.	--	--	--	--	--	--	--

Notes:

- f. Conditions observed during abandonment activities.  
-- Not applicable

Project: <u>Aldion-Sheridan Township Landfill</u>	Log of Boring <u>MW-155 B</u>
Project Location: <u>Aldion, MI (Calhoun County)</u>	Sheet 1 of 2
Project Number: <u>6613045-16</u>	

Date(s) Drilled: <u>9/1/98 - 9/2/98</u>	Logged By: <u>Clifford S. Yanta</u>	Checked By:
Drilling Method: <u>4.25" HSA 0-29/30-40' Coring</u>	Drill Bit Size/Type: <u>4.25" HSA / 4" Auger 3 1/2" x 1/2" 5/8"</u>	Valid Depth (feet): <u>40'</u>
Drill Rig Type: <u>CME 55</u>	Drilled By: <u>Northcoast Drilling Services</u>	Hammer Weight/ Drop (lb/ft): <u>140/30"</u>
Apparent Groundwater Depth: <u>6 ft ATD</u>	It after <u>   </u> hrs	Surface Elevation (feet):
Comments:	Borehole Backfill: <u>See Well Detail</u>	Elevation Datum:

Depth, feet	SAMPLES				Pocket Pen., kcf	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	Type	Number	Sampling Resistance	Recovery				
0							moist, Dark Brown, Silty, Sandy (m-F) <u>TOPSOIL</u>	
8.23	SS-1	1,2 8,11	8"				Wet, Yellow brown, c-F SAND, little to some silt, trace fine gravel (5m), medium Dense. (less gravel)	8.23
8.28	SS-2	3,5 7,7	14"				Wet, medium dense to dense, Gray, Silty, m-F SAND, trace clay, trace to little c-F Gravel, [Gravel pieces are shale and (5m) Granite]	
14.36	SS-3	1,1 1,2	13"				Wet, loose, Gray, Silty c-F SAND, little clay, trace fine gravel (5m)	
20	SS-4	2,11 5,4	6"				(less clay)	
21.2							Wet, medium Dense to Dense, Weathered SANDSTONE, m-F grained quartz sands, poorly cemented, light blue gray (SANDSTONE)	← 21.2
25	SS-5	1,1 5,16	15"				Wet, Dense to very Dense, Highly weathered, slightly cohesive, light blue gray SANDSTONE m-F grained quartz sands	
29.0							Refusal at 29.0' w/ 4.25" HSA's	
30								

6613045-16

Woodward-Clyde Consultants

Figure



Project: Albion - Sheridan Township Landfill	Log of Boring MW-15SB
Project Location: Albion, Calhoun County, MI	Sheet 2 of 2
Project Number: DE 13045-16	

Date: 9/2/98	Logged By: Clifford S. Kuntz	Checked By:
Drilling Method: 0-4.25" HA/20-40" Coring	Drill Bit Size/Type:	Total Depth Drilled (feet): 40.0'
Drill Rig Type: CMR 55	Drilled By:	Hammer Weight/ Drop (feet): 140lb/20"
Apparent Groundwater Depth: 6 ft ATD	It after hrs	It after hrs
Comments:	Borehole Backfill: See Well Detail	Surface Elevation (feet):
		Elevation Datum:

Depth, feet	SAMPLES				Pocket Pen., test	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	Type	Number	Sampling Resistance	Recovery				
0	RC-1						Wet, compact SANDSTONE, well cemented predominantly m-f quartz sand, thin bedding planes (1/4 to 1/2") apparent in sandstone. Some cross bedding. Sand stone itself is massive with few fractures along bedding planes of sands, typical fracture is horizontal, few are dipping 0-10 degrees along cross beds. Same SANDSTONE (SANDSTONE)	fractures up sand stone
3.6	RC-2							
4.0								
4.5								
20								
25								
30								

9/2/98  
14:50  
09/2/98  
12:05

4.5' 9 fractures roughly 6" apart  
4.9' 12 fractures roughly 3 to 6" apart

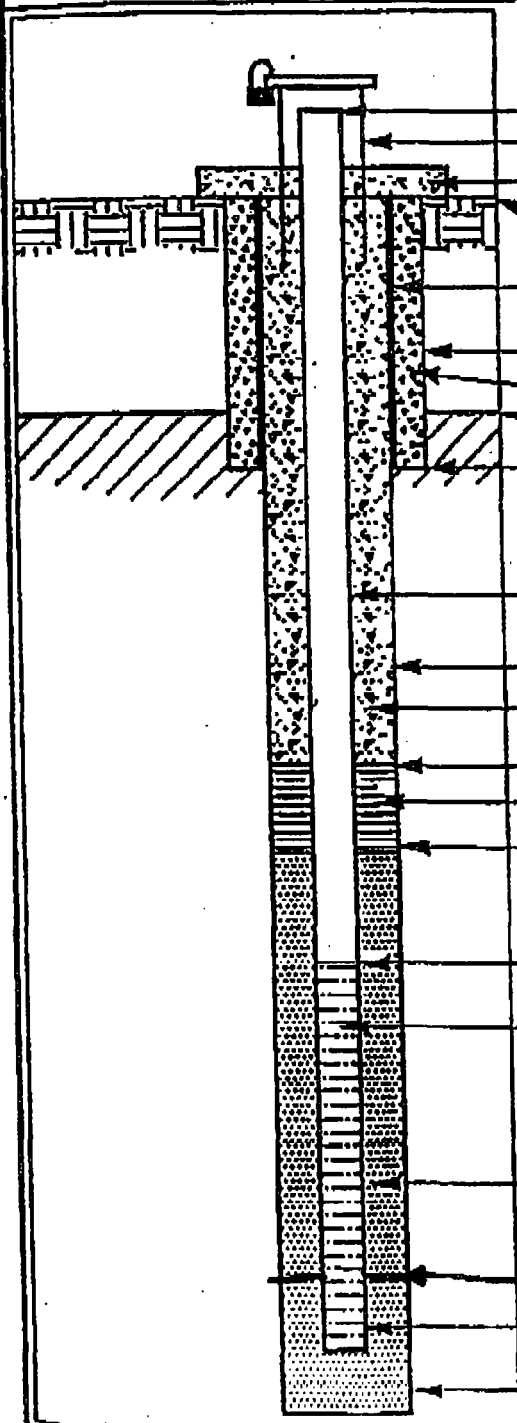
EQB. 4.0'

There is no noted staining

# FIGURE SOP-1-1 LOWER AQUIFER MONITORING WELL SHEET

## MONITORING WELL SHEET

Project: Albion-Sheridan Twp. 44 Location: Calhoun Co., MI Driller: Tracy / Northeast Drilling  
 Project Number: CE13045-16 Well Number: MW/SSB Drilling Method: 4.25" HSA / 16" Rotary  
 Elevation: \_\_\_\_\_ Date: 9/2/98 Date Completed: 9/3/98  
 Logged By: Clifford S. Yantz Development Method: \_\_\_\_\_  
 Date Completed: 9/3/98



Key padlock type and number: \_\_\_\_\_

Elevation Top Of Casing: \_\_\_\_\_

Type of protective casing: 6" Carbon Steel

Type of surface seal: Concrete

Ground Elevation: \_\_\_\_\_

Surface Casing I.D.: 6" } temporary

Casing Material: Carbon Steel

Borehole Diameter: 8"

Type of grout: Cement / Bentonite

Depth Top of Bedrock: 21.2'

Depth Bottom of Surface Casing: Temporary 6" Casing

Casing I.D.: 2.00"

Casing Material: Sch. 40 PVC

Borehole Diameter: 8" to 29' / 3" to 40'

Type of grout: Cement / Bentonite

Depth top of seal: 20.6'

Type of seal: Bentonite Pellets (3/8") (Pel-Plug)

Depth top of sand pack: 23.0'

Depth top of screen: 24.0'

Type of screen: Sch. 40 PVC

Slot size X length: 0.010" / 4.5

I.D. of Screen: 2.00"

Type of sand pack: Global Filter Pack #5

Top of Natural Collapse 27.8'  
(Natural Sand Pack)

Depth bottom of screen: 29.0'

Total depth of hole: 40.0'

Project: <u>Albion-Sheridan Township landfill</u>	Log of Boring <u>MW-07DB</u>
Project Location: <u>Calhoun, County</u>	Sheet 1 of <u>3</u>
Project Number: <u>16E13045-16</u>	

Date(s) Drilled: <u>7/3/28/98</u>	Logged By: <u>Clifford S. Yantz</u>	Checked By:
Drilling Method: <u>4.25" HSA 0.25"</u>	Drill Bit Size/Type:	Total Depth Drilled (feet): <u>21.0'</u>
Drill Rig Type: <u>CME 55</u>	Drilled By: <u>Northeast Drilling Co.</u>	Hammer Weight/Drop (lb/in.): <u>140 lb/30"</u>
Apparent Groundwater Depth: <u>6-7' ATD</u> <u>   </u> ft after <u>   </u> hrs <u>   </u> ft after <u>   </u> hrs		Surface Elevation (feet):
Comments:	Borehole Bottom: <u>See well Detail</u>	Elevation Datum:

Depth, feet	SAMPLES				Pocket Pen., ksi	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	Type	Number	Sampling Resistance	Recovery				
0							moist, Dark Brown, Silty, Sandy (m-f) <u>TOPSOIL</u> — — — — — (TOPSOIL)	
5							moist, tan to medium Brown, Silty m-f <u>SAND</u> , trace gravel (5m) — Cobble at 3.5' (5m) <u>SAND</u>	
10	S-1	5/10 24/24	14"				moist, Dense, Gray, C-F, Silty <u>SAND</u> , Some C-F Gravel, trace to little clay, Gravel are subrounded (5m) (Cobble at = 11 ft)	
15							— — — — —	← 16.5'
20	S-2	8/30 40/12	18"				moist brown, very Dense, weathered <sup>light</sup> <u>SANDSTONE</u> , mostly m-f quartz sands making up sandstone, possibly cemented (SANDSTONE)	4.25" HSA Rebar
25								
30								

0407 10/09/98

Woodward-Clyde Consultants

Figure

Project: <u>ASTL</u>	Log of Boring <u>MW-0908</u>
Project Location: <u>Culbourn County, MI</u>	Sheet <u>2</u> of <u>3</u>
Project Number: <u>6513045-16</u>	

Date/Time Drilled: <u>7/3, 4, 8 &amp; 9/98</u>	Logged By: <u>Clifford S. Yontz</u>	Checked By:
Drilling Method: <u>0-25' 4.25" HSA/</u>	Drill Bit Size/Type: <u>4.25" HSA/</u>	Total Depth Drilled (feet): <u>71.6'</u>
Drill Rig Type: <u>CME 55</u>	Drilled By: <u>Northeast Drilling Co.</u>	Hammer Weight/Drop (lb/in.): <u>1426/30"</u>
Apparent Groundwater Depth: <u>0-2'</u> ft ATD	ft BTB	ft BTB
Comments:	Borehole Backfill: <u>Sea Well Data</u>	Surface Elevation (feet):
		Elevation Datum:

Depth, feet	SAMPLES				Pocket Pen. Test	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	Type	Number	Sampling Resistance	Recovery				
30	RC-1			16"			light gray, well cemented SANDSTONE	← Formation is taking water
31.5	RC-2			26"	7 Fractures		Predominantly M-F quartz sands (highly fractured from 30-30.5')	
34.5	RC-3			33"	9 Fractures		Same 35.4' - 36.8' more medium sands than fine sands (i.e. coarser sand grains)	
40	RC-4			5.6"	11 Fractures		Same more medium sands than finer sands 41.5' - 42.8'	
45	RC-5			5.0"	26 Fractures (100% recovery)		Same light gray, well cemented SANDSTONE	
50	RC-6			7.8"	33 Fractures		Sands are predominantly M-F quartz sands (42.5-43.8 and 47.3-48.5 less fine sand more medium sand)	
55	RC-7						Horizontal fractures along bedding planes of sands, little cross bedding, in sands - thin 1/8 - 1/4" bedding planes in sands.	
60							Same SANDSTONE	

Project: <u>ASTL</u>	Log of Boring <u>MW-09DB</u>
Project Location: <u>Calhoun County, ME</u>	Sheet <u>3</u> of <u>3</u>
Project Number: <u>61213048-16</u>	

Date(s) Drilled: <u>9/3, 4, 8 &amp; 9/97</u>	Logged By: <u>C. R. Ford S. Kautz</u>	Checked By: _____
Drilling Method: <u>4.25" HSA 0.25"</u>	Drill Bit Size/Type: _____	Total Depth Drilled (feet): <u>71.6</u>
Drill Rig Type: <u>CMB 55</u>	Drilled By: _____	Hammer Weight/ Drop (lbs/ft.): <u>1</u>
Apparent Groundwater Depth: <u>6-7' II ATD</u>	ft after _____ hrs	ft after _____ hrs
Comments: _____	Borehole Backfill: <u>See Well Data 1</u>	Surface Elevation (feet): _____
		Elevation Datum: _____

Depth, feet	SAMPLES						MATERIAL DESCRIPTION	FIELD NOTES
	Type	Number	Sampling Resistance	Recovery	Pocket Pen. Ref	Graphic Log		
60								
65								
70								
75								
80								
85								
90								

CART 10/27/97

Woodward-Clyde Consultants

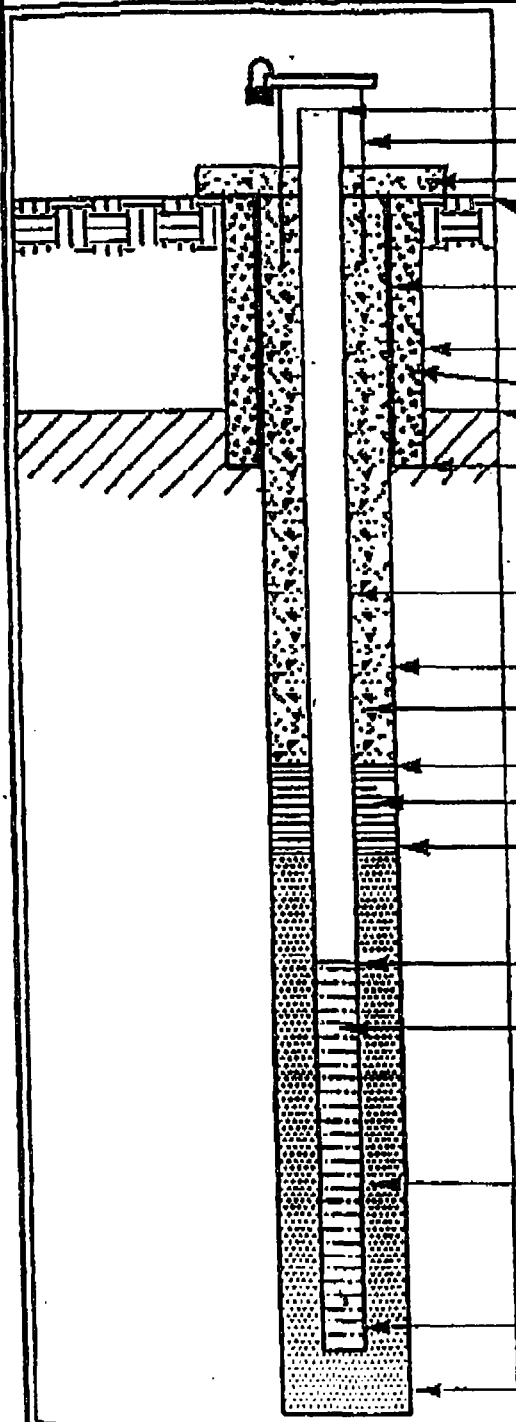


Figure

# FIGURE SOP-1 -1 LOWER AQUIFER MONITORING WELL SHEET

## MONITORING WELL SHEET

Project: Albion - Sheridan Twp. Landfill Location: Calhoun Co., MI Driller: Tracy / Northcoast Drilling  
 Project Number: 6213045-16 Well Number: MW-0908 Drilling Method: 4.25" HSA / 6" Rotary  
 Elevation: \_\_\_\_\_ Date: 9/10/98 Date Completed: 9/10/98  
 Logged By: Hosam Hassamian Development Method: \_\_\_\_\_  
 Date Completed: \_\_\_\_\_



Key padlock type and number: \_\_\_\_\_

Elevation Top Of Casing: \_\_\_\_\_

Type of protective casing: 6" Steel

Type of surface seal: Concrete

Ground Elevation: 30' BGS

Temporary Surface Casing I.D.: 6.6" Temporary Casing (Steel)

Casing Material: Carbon Steel

Borehole Diameter: 8"

Type of grout: Cement / Bentonite Grout

Depth Top of Bedrock: 16.5'

Depth Bottom of Surface Casing: 30'

Temporary

Casing I.D.: 2.00"

Casing Material: Sch. 40 PVC

Borehole Diameter: 6"

Type of grout: Cement / Bentonite Grout

Depth top of seal: 60.3

Type of seal: Rel-Plug Bentonite Pellets

Depth top of sand pack: 65'

Depth top of screen: 65'

Type of screen: Sch. 40 PVC

Slot size X length: 0.010" / 4.5

I.D. of Screen: 2.00"

Type of sand pack: Global Drilling Supply  
Global Filter Pack #5

Depth bottom of screen: 70'

Total depth of hole: 71.6'

*my  
clip*

**The Albion-Sheridan Landfill PRP Group**

*K-04  
11/98*

December 10, 1998

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 34  
November 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: M506E0701300-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC

**PROGRESS REPORT NO. 34**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: NOVEMBER 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

**A. ACTIVITIES DURING THIS REPORTING PERIOD**

- The UST closure report was submitted to MDEQ.
- The monthly progress report was submitted on November 10, 1998.
- Settlement discussions among the ASTL Group and two other potentially responsible parties are under way.

**B. SUMMARY OF FINDINGS**

No findings are reported for this month.

**C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

**D. PROBLEMS ENCOUNTERED**

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

**F. KEY PERSONNEL CHANGES**

None

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None



**MONTHLY PROGRESS REPORT NO. 34**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: NOVEMBER 1998**

**H. PLANNED UPCOMING EVENTS**

At this time, the group anticipates further schedule discussions will occur with the PRPs and U.S. EPA. Provided a settlement is reached, the remaining landfill closure activities can possibly be completed in 1999.

K.O'  
12/98

## **The Albion-Sheridan Landfill PRP Group**

January 12, 1999

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 35  
December 1998  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: M506E0701300-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
C. Smith - Cooper  
B. Gibson - WC

**PROGRESS REPORT NO. 35**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: DECEMBER 1998**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

**A. ACTIVITIES DURING THIS REPORTING PERIOD**

- The monthly progress report was submitted on December 10, 1998.
- Settlement discussions among the ASTL Group U.S. EPA and two other potentially responsible parties are under way.

**B. SUMMARY OF FINDINGS**

No findings are reported for this month.

**C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

**D. PROBLEMS ENCOUNTERED**

None

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None

**F. KEY PERSONNEL CHANGES**

None

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None

**MONTHLY PROGRESS REPORT NO. 35**

**McGRAW-EDISON SITE  
REMEDIAL DESIGN/REMEDIAL ACTION  
CENTERVILLE, IOWA**

**REPORTING PERIOD: DECEMBER 1998**

**H. PLANNED UPCOMING EVENTS**

At this time, the group anticipates further schedule discussions will occur with the PRPs and U.S. EPA. Provided a settlement is reached, the remaining landfill closure activities can possibly be completed in 1999.



**OHM Remediation  
Services Corp.**

A Subsidiary of OHM Corporation

October 8, 1998

680 7013



Mr. John Seymour, P.E.  
Vice President  
Woodward-Clyde Consultants  
38777 West Six Mile Road  
Suite 200  
Livonia, Michigan 48152

**Re: Albion-Sheridan Township Landfill, Calhoun County, Michigan,  
OHM/IT Project 920374**

Dear Mr. Seymour:

OHM Remediation Services Corp, a wholly owned subsidiary of IT Corporation, is pleased to present this report for the well abandonment activities to Woodward-Clyde Consultants for the above referenced project. Field activities were performed August 31, 1998 and September 1, 1998.

Six monitoring wells (MW-S, MW-W, MW-E, LF01, LF02 and LF03) were abandoned on August 31, 1998 in accordance with the procedures presented in the contract specification and the State of Michigan Act 451, part 625. Monitoring well MW-13SG was not abandoned because it could not be located. In addition, field observations indicated monitoring well MW-11SG had previously been abandoned as evidenced by hydrated bentonite pellets and the discarded well casing and screen at the location of the borehole. Attachment A presents a summary of well abandonment activities performed for the project.

Well abandonment was performed by attempting to remove each well casing and screen using "pulling/tremie grouting methods". The bottom well cap was removed in the polyvinyl chloride (PVC) wells before grout was tremie pumped into the screen and casing. Following the initial tremie grout placement, the casing and screen were pulled from the ground and the borehole was tremie grouted. Wells constructed of galvanized steel were pulled without removing the bottom cap followed by tremie grouting. Additional grout was added to each well following settlement.

The wells were inspected on September 1, 1998 to determine if additional grout was required to complete the abandonment activities. Results indicated that the grout in each well had not settled and had cured at the existing ground surface.

Approximately 52 cubic feet of grout was used to abandon 165 linear feet of well screen,

Mr. Seymour

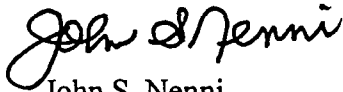
-2-

October 8, 1998

casing and borehole for the project. The abandoned well screen, casing, standpipes and concrete were stockpiled onsite for future disposal during the landfill construction activities. A CME-55 truck mounted drill rig equipped with a gear pump was used for the well abandonment activities.

Please call me at 419-425-6288 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "John S. Nenni". The signature is fluid and cursive, with the first name "John" being more prominent.

John S. Nenni  
Project Manager

cps:JSN

Attachment

## **Attachment A**

---

### **Summary of Well Abandonment Activities**

**Summary of Well Abandonment Activities  
Albion-Sheridan Township Landfill  
Albion, Michigan**

Page 1 of 2

Well ID	Date		Total Measured Well Depth (ft) <sup>a</sup>	Abandonment			Static Water Level (ft) <sup>a</sup>	Sediment Present (yes/no)
	Started	Completed		Method	Initial Grout Volume (ft <sup>3</sup> )	Additional Grout Volume <sup>e</sup> (ft <sup>3</sup> )		
MW-S	8/31/98	8/31/98	25.0	Pull Casing, Tremie Grout. <sup>b</sup>	4	1.5	13.85	No
LF03	8/31/98	8/31/98	35.0	Bottom plug removed with drill rods, Pull Casing, Tremie Grout. <sup>b, c</sup>	7	1.5	34.80	No
LF01	8/31/98	8/31/98	37.5	Bottom plug removed with drill rods, Pull Casing, Tremie Grout. <sup>b, c</sup>	7	2	29.50	No
MW-W	8/31/98	8/31/98	40.0	Pull Casing, Tremie Grout. <sup>b</sup>	7	2	32.80	No
LF02	8/31/98	8/31/98	20.0	Pull Casing, Tremie Grout. <sup>b, d</sup>	11	3	17.75	No
MW-E	8/31/98	8/31/98	28.0	Pull Casing, Tremie Grout. <sup>b</sup>	5	1	25.5	No
MW-11SG	8/31/98	8/31/98	--	The well was not present during inspection. Observations indicate the well was removed and filled with bentonite chips.	--	--	--	--

Notes:

- a. Measured from the top of the well casing.
- b. Grout mixture consisted of an approximate ratio of 97 pounds of Portland cement to 3 pounds of bentonite clay.
- c. Well casing broke at the first 5-foot section of well casing during pulling activities. The remaining well casing and screen were abandoned in place.
- d. Borehole caved at 16.5 feet below the ground surface when the well casing and screen were removed from the ground.
- e. Additional grout was added on 8/31/98.
- Not applicable



Summary of Well Abandonment Activities  
Albion-Sheridan Township Landfill  
Albion, Michigan

Page 2 of 2

Well ID	Well Screen and Well Casing <sup>f</sup>					Surface Casing		
	Construction Material	Diameter (inch)	Condition	Screen Length (ft)	Casing Length (ft)	Construction Material	Length (ft)	Condition (ft)
MW-S	Galvanized	2	Good	5.0	20.0	The well was not installed with a surface casing.	--	--
LF03	PVC, schedule 40	2	Good	10.0	25.0	4 inch square aluminum with concrete pad	3.5	Very Good
LF01	PVC, schedule 40	2	Good	10.0	27.5	4 inch square aluminum with concrete pad	3.5	Very Good
MW-W	Galvanized	2	Good	5.0	35.0	The well was not installed with a surface casing.	--	--
LF02	PVC, schedule 40	2	Good	10.0	10.0	4 inch square aluminum with concrete pad	3.5	Very Good
MW-E	Galvanized	2	Good	5.0	23.0	The well was not installed with a surface casing.	--	--
MW-11SG	The well was not present during inspection. Observations indicate the well was removed and filled with bentonite chips.	--	--	--	--	--	--	--

Notes:

- f. Conditions observed during abandonment activities.  
-- Not applicable

Project: <u>Albion-Sheridan Township Landfill</u>	Log of Boring <u>MW-09DB</u>
Project Location: <u>Calhoun, County</u>	Sheet 1 of <u>3</u>
Project Number: <u>6613045-16</u>	

Date(s) Drilled: <u>9/3/88 1944/98</u>	Logged By: <u>Clifford S. Yantz</u>	Checked By:
Drilling Method: <u>4.25" HSA 0-25/</u>	Drill Bit Size/Type:	Total Depth Drilled (feet): <u>21.10'</u>
Drill Rig Type: <u>CME 55</u>	Drilled By: <u>Northwest Drilling Co.</u>	Hammer Weight/Drop (lbs/in.): <u>140 lb/30"</u>
Apparent Groundwater Depth: <u>6-7 ft ATD</u>	ft after ___ hrs	ft after ___ hrs
Comments:	Borehole Backfill: <u>See well Detail</u>	Surface Elevation (feet):
		Elevation Datum:

Depth, feet	SAMPLES				Pocket Pen., ksf	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	Type	Number	Sampling Resistance	Recovery				
0							moist, Dark Brown, Silty, Sandy (m-F) <u>TOPSOIL</u> ( <u>TOPSOIL</u> )	
5							moist, tan to medium Brown, Silty m-F <u>SAND</u> , trace gravel (5m) -Cobble at 3 ft (5m) <u>SAND</u>	
10							moist, Dense, Gray, C-F, Silty <u>SAND</u> , Some C-F Gravel, trace to little clay, Gravel are subrounded (5m) (Cobble at 2 1/2 ft)	
15								← 16.5'
20							moist to wet, very Dense, weathered <sup>light</sup> Blue Gray <u>SANDSTONE</u> , mostly m-F quartz sands making up sandstone, poorly cemented ( <u>SANDSTONE</u> )	4.25" HSA Reusal
25								
30								

04/03 TGL02 KEY

Woodward-Clyde Consultants

Figure

Project: <u>ASTL</u>	Log of Boring <u>MW-090B</u>
Project Location: <u>Culbourn County, MT</u>	Sheet <u>2</u> of <u>3</u>
Project Number: <u>6513045-16</u>	

Date(s) Drilled: <u>9/3, 4, 8 &amp; 9/98</u>	Logged By: <u>Clifford S. Yantz</u>	Checked By:
Drilling Method: <u>0-25' 4.25" HSA</u>	Drill Bit Size/Type: <u>4.25" HSA</u>	Total Depth Drilled (feet): <u>71.6'</u>
Drill Rig Type: <u>CME 55</u>	Drilled By: <u>Northwest Drilling Co.</u>	Hammer Weight/Drop (lbs/in.): <u>140 lb/30"</u>
Apparent Groundwater Depth: <u>6-7'</u> ft ATD	ft after ___ hrs	ft after ___ hrs
Comments:	Borehole Backfill: <u>See Well Detail</u>	Surface Elevation (feet):
		Elevation Datum:

Depth, feet	SAMPLES				Pocket Pen., ksf	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	Type	Number	Sampling Resistance	Recovery				
30.0	RC-1			16"			Highly fractured, light gray, well cemented SANDSTONE predominantly M-F quartz sands (highly fractured from 30-30.5')	← Formation is taking water
31.5								
	RC-2			26"	7 fractures		Same 35.4' - 36.8' more medium sands than fine sands (i.e. coarser sand grains)	
34.5								
35.0	RC-3			33"	9 fractures		Same more medium sands than finer sands 41.5' - 42.8'	
40.0	RC-4			5.6'	11 fractures		Same light gray, well cemented SANDSTONE Sands are predominantly M-F quartz sands (43.5-43.8 and 47.3-48.5 less fine sand more medium sand) (SANDSTONE)	
45.0	RC-5			5.0'	26 fractures (every 3")		Horizontal fractures along bedding planes of sands, little cross bedding in sands - thin 1/8 - 1/4" bedding planes in sands.	
50.0	RC-6			7.8'	33 fractures		Same SANDSTONE	
55.0					7.8' = every 3" on Average		Same (SANDSTONE)	
60.0	RC-7							

9:50 AM  
9/14/98

04/03 10/02 KEY

Woodward-Clyde Consultants

Figure

Project: <u>ASTL</u>	Log of Boring <u>MW-09DB</u>
Project Location: <u>Calhoun County, ME</u>	Sheet <u>3</u> of <u>3</u>
Project Number: <u>61213045-16</u>	

Date(s) Drilled: <u>9/3, 4, 8 &amp; 9/97</u>	Logged By: <u>Clifford S. Kautz</u>	Checked By:
Drilling Method: <u>4.25" HSAO-25'</u>	Drill Bit Size/Type:	Total Depth Drilled (feet): <u>71.6</u>
Drill Rig Type: <u>CMR 55</u>	Drilled By:	Hammer Weight/Drop (lbs/in.): <u>1</u>
Apparent Groundwater Depth: <u>6-7' ft ATD</u> <u>    </u> ft after <u>    </u> hrs <u>    </u> ft after <u>    </u> hrs		Surface Elevation (feet):
Comments:	Borehole Backfill: <u>See Well Data</u>	Elevation Datum:

Depth, feet	SAMPLES						MATERIAL DESCRIPTION	FIELD NOTES
	Type	Number	Sampling Resistance	Recovery	Pocket Pen., ksf	Graphic Log		
60								
65								
70								
75								
80								
85								
90								

61213045-16

Woodward-Clyde Consultants

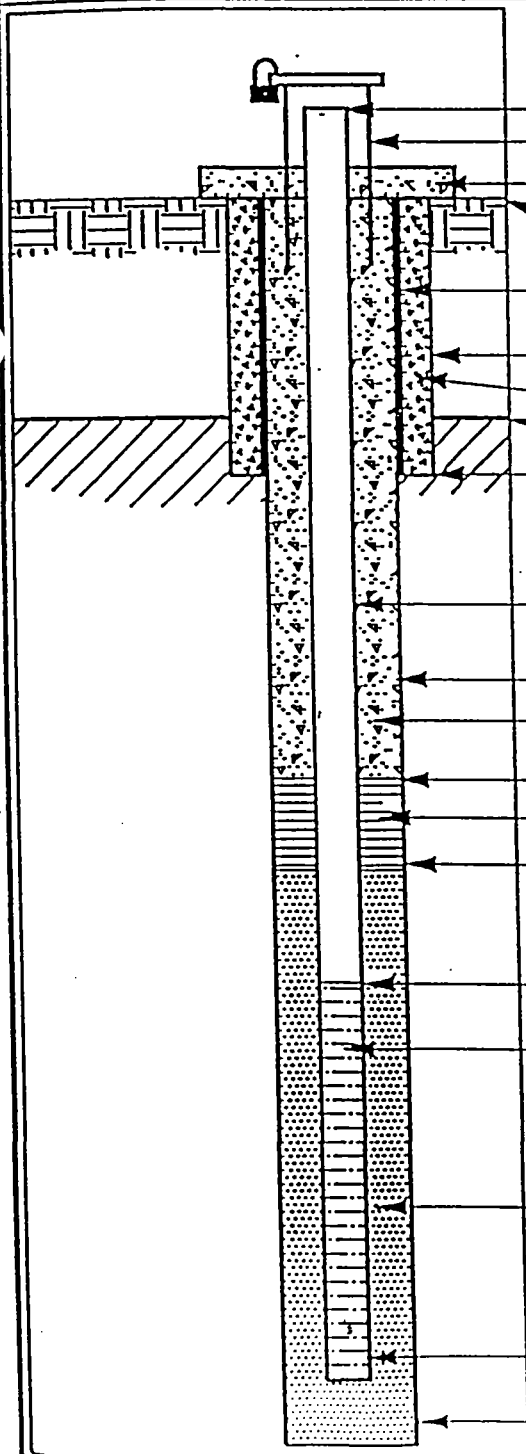


Figure

FIGURE SOP-1-1  
LOWER AQUIFER MONITORING WELL SHEET

# MONITORING WELL SHEET

Project: Albion - Sheridan Twp. Landfill Location: Calhoun Co., MI Driller: Tracy / Northeast Drilling  
Project Number: 6E13045-16 Well Number: MW-09DB Drilling Method: 4.25" HSA / 6" Rotary  
Elevation: \_\_\_\_\_ Date: 9/10/98 Date Completed: 9/10/98  
Logged By: Hosam Hassanien Development Method: \_\_\_\_\_  
Date Completed: \_\_\_\_\_



Key padlock type and number: \_\_\_\_\_

Elevation Top Of Casing: \_\_\_\_\_

Type of protective casing: 6" Steel

Type of surface seal: Concrete

Ground Elevation: 30' BGS

Temporary Surface Casing I.D.: 6" Temporary Casing (Steel)

Casing Material: Carbon Steel

Borehole Diameter: 8"

Type of grout: Cement / Bentonite Grout

Depth Top of Bedrock: 16.5'

Depth Bottom of Temporary Surface Casing: 30'

Casing I.D.: 2.00"

Casing Material: Sch. 40 PVC

Borehole Diameter: 6"

Type of grout: Cement / Bentonite Grout

Depth top of seal: 60.3

Type of seal: Pel-Plug Bentonite Pellets

Depth top of sand pack: 63'

Depth top of screen: 65'

Type of screen: Sch. 40 PVC

Slot size X length: 0.010" / 4.5

I.D. of Screen: 2.00"

Type of sand pack: Global Drilling Supply  
Global Filter Pack #5

Depth bottom of screen: 70'

Total depth of hole: 71.6'

Project: Albion-Sheridan Township Landfill  
 Project Location: Albion, MI (Calhoun County)  
 Project Number: 6E13045-16

Log of Boring MW-155B  
 Sheet 1 of 2

Date(s) Drilled: 9/1/98 - 9/2/98	Logged By: Clifford S. Yantz	Checked By:
Drilling Method: 4.25" HSA 0-29/30-40' Coring	Drill Bit Size/Type: 4.25" HSA / 4" Coring 3 1/2" bit / 6" bit	Total Depth Drilled (feet): 40'
Drill Rig Type: CMR SS	Drilled By: Northwest Drilling Services	Hammer Weight/Drop (lbs./in.): 140 / 30"
Apparent Groundwater Depth: 6 ft ATD	ft after hrs	ft after hrs
Comments:	Borehole Backfill: See Well Detail	Surface Elevation (feet): Elevation Datum:

Depth, feet	SAMPLES				Pocket Pen., ksf	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	Type	Number	Sampling Resistance	Recovery				
0							moist, Dark Brown, Silty, Sandy (m-f) <u>TOPSOIL</u>	
8:23	SS-1	1, 2 8, 11	8"				Wet, Yellow brown, c-f <u>SAND</u> , little to some silt, trace <sup>little</sup> fine gravel (5m), medium Dense. (less gravel)	8
8:28	SS-2	3, 5 7, 7	14"				Wet, medium dense to dense, Gray, Silty, m-f <u>SAND</u> , trace clay, trace to little C-F Gravel, [Gravel pieces are shale and (5m) Gravel]	
9:36	SS-3	1, 1 1, 2	13"				Wet, loose, Gray, Silty C-F <u>SAND</u> , little clay, trace fine gravel (5m) (less clay)	
8:45	SS-4	2, 11 5, 4	6"				Wet, medium Dense to dense, <u>Weathered SANDSTONE</u> , m-f grained quartz sands, poorly cemented, light Bluegray ( <u>SANDSTONE</u> )	← 21.2
9:00	SS-5	17, 24 5, 16	15"				Wet, Dense to very Dense, Highly weathered, slightly cohesive, light Blue gray <u>SANDSTONE</u> , m-f grained quartz sands	Refusal at 29.0' w/ 4.25" HSA's
30								

64433 TGL03 KEY

Woodward-Clyde Consultants



Figure

Project: Albion - Sheridan Township Landfill	Log of Boring MW-15SB
Project Location: Albion, Calhoun County, ME	Sheet 2 of 2
Project Number: BE 13045-16	

Date(s) Drilled: 9/2/98 -	Logged By: Clifford S. Korte	Checked By:
Drilling Method: 0-29' 4.25" HSA/30-40' NX Coring	Drill Bit Size/Type:	Total Depth Drilled (feet): 40.0'
Drill Rig Type: CMR 55	Drilled By:	Hammer Weight/Drop (lbs/ft.): 140/16/30"
Apparent Groundwater Depth: 6 ft ATD	ft after hrs	ft after hrs
Comments:	Borehole Backfill: See Well Detail	Surface Elevation (feet):
		Elevation Datum:

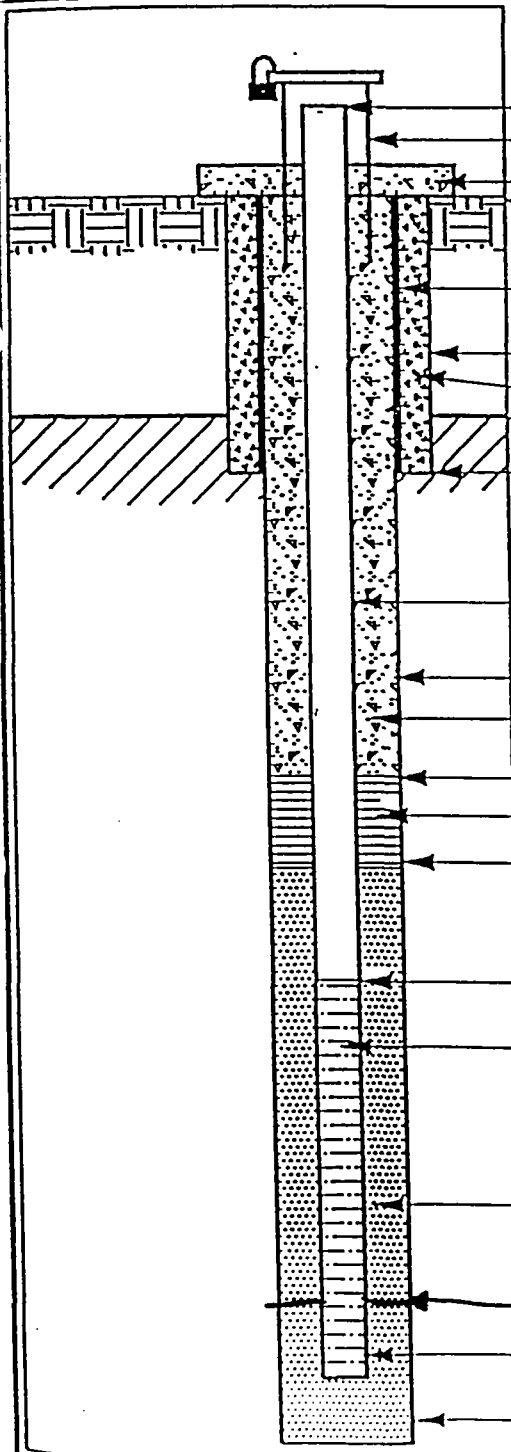
Depth, feet	SAMPLES				Pocket Pen., ksf	Graphic Log	MATERIAL DESCRIPTION	FIELD NOTES
	Type	Number	Sampling Resistance	Recovery				
0								
35	Rock Core	RC-1			4.5'	9 fractures roughly 6" apart	Wet, competent SANDSTONE, well cemented predominantly m-f quartz sand, thin bedding planes (1/16 to 1/4") apparent in sands making up sand stone. Some cross bedding. Sand stone itself is massive with few fractures along bedding planes of sands, typical fracture is horizontal, few are dipping 0-10 degrees along cross beds in same SANDSTONE (SANDSTONE)	fractures
40		RC-2			4.9'	12 fractures roughly 3 to 6" apart		Sands Making up Sand stone.
45								
20								
25								
30								

9/2/98  
M. 50  
9/2/98  
12:05

FIGURE SOP-1-1  
LOWER AQUIFER MONITORING WELL SHEET

# MONITORING WELL SHEET

Project: Albion-Sheridan Twp. Lot 14 Location: Calhoun Co. MD Driller: Tracy / Northeast Drilling  
Project Number: 0613045-16 Well Number: MW/SSB Drilling Method: 4.25" HSA / 6" Rotary  
Elevation: \_\_\_\_\_ Date: 9/2/98 Date Completed: 9/3/98  
Logged By: Clifford S. Yantz Development Method: \_\_\_\_\_  
Date Completed: ~~9/2/98~~ 9/3/98



Key padlock type and number: \_\_\_\_\_  
Elevation Top Of Casing: \_\_\_\_\_  
Type of protective casing: 6" Carbon Steel  
Type of surface seal: Concrete  
Ground Elevation: \_\_\_\_\_  
Surface Casing I.D.: 6" } temporary  
Casing Material: Carbon Steel  
Borehole Diameter: 8"  
Type of grout: Cement / Bentonite  
Depth Top of Bedrock: 21.2'  
Depth Bottom of Surface Casing: Temporary 6" Casing  
Casing I.D.: 2.00"  
Casing Material: Sch. 40 PVC  
Borehole Diameter: 8" to 29' / 3" to 40'  
Type of grout: Cement / Bentonite  
Depth top of seal: 20.6'  
Type of seal: Bentonite Pellets (3/8") (Pel-Plug)  
Depth top of sand pack: 23.0'  
Depth top of screen: 24.0'  
Type of screen: Sch. 40 PVC  
Slot size X length: 0.010" / 4.5'  
I.D. of Screen: 2.00"  
Type of sand pack: Gbbel Filter Pack #5  
Top of Natural Collapse (Natural Sand Pack) 27.8'  
Depth bottom of screen: 29.0'  
Total depth of hole: 40.0'



K.04  
01/99

**The Albion-Sheridan Landfill PRP Group**

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February 10, 1999

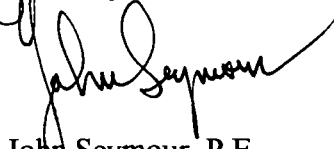
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 36  
January 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: M506E0701300-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
M. O'Brien - Cooper

**PROGRESS REPORT NO. 36**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: JANUARY 1999**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

**A. ACTIVITIES DURING THIS REPORTING PERIOD**

- The monthly progress report was submitted on January 12, 1999.
- Settlement discussions among the ASTL Group, U.S. EPA and two other potentially responsible parties are under way.

**B. SUMMARY OF FINDINGS**

No findings are reported for this month.

**C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

**D. PROBLEMS ENCOUNTERED**

None

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None

**F. KEY PERSONNEL CHANGES**

None

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None

**MONTHLY PROGRESS REPORT NO. 36**

**McGRAW-EDISON SITE  
REMEDIAL DESIGN/REMEDIAL ACTION  
CENTERVILLE, IOWA**

**REPORTING PERIOD: JANUARY 1999**

**H. PLANNED UPCOMING EVENTS**

At this time, the group anticipates further schedule discussions will occur with the PRPs and U.S. EPA. Provided the agreed settlement is promptly incorporated into an acceptable Consent Decree binding the parties, the remaining landfill closure activities can possibly be completed in 1999.

# RA Settling Defendants Construction Schedule - Albion Sheridan Township Landfill

Task Name	Start Date	End Date	1999							
			Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Group Notice to proceed	99/03/15	99/03/15	△							
<b>Sample new monitoring wells</b>	<b>99/04/02</b>	<b>99/04/02</b>								
Subcontractor Plan Modification	99/03/15	99/04/02	▬							
<b>Notice to Group Contractor</b>	<b>99/04/02</b>	<b>99/04/02</b>								
Site Preparation	99/04/02	99/04/21		▬						
<b>Mobilization</b>	<b>99/04/22</b>	<b>99/04/22</b>								
Stripping and Grubbing	99/04/22	99/05/07		▬						
<b>Waste Consolidation</b>	<b>99/05/03</b>	<b>99/06/11</b>			▬					
Rough Grading	99/06/07	99/06/25				▬				
Passive Gas Vent Trenches	99/06/14	99/07/02				▬				
<b>Foundation Layer</b>	<b>99/06/28</b>	<b>99/07/09</b>					▬			
<b>Install 40 Mil FML Liner</b>	<b>99/07/12</b>	<b>99/08/16</b>					▬			
Drainage Net	99/07/19	99/08/16					▬			
<b>Cover Soil layer</b>	<b>99/08/09</b>	<b>99/09/07</b>						▬		
Subsurface Drainage	99/08/02	99/08/13						▬		
Stormwater Berms and Shoots	99/08/16	99/08/27						▬		
Topsoil/Seeding	99/08/30	99/09/13							▬	
Access Road Construction	99/09/13	99/09/15							▬	
Infiltration Basin Slope	99/08/23	99/08/27						▬		
Perimeter Fence	99/09/13	99/09/15							▬	
<b>Prefinal Inspection</b>	<b>99/09/07</b>	<b>99/09/07</b>							△	
Prefinal Inspection Report	99/09/07	99/09/17							▬	
<b>Final Inspection</b>	<b>99/09/30</b>	<b>99/09/30</b>								△
<b>Final Construction Report</b>	<b>99/09/30</b>	<b>99/10/19</b>								▬
Completion	99/10/20	99/10/20								△

Updated by Jon Peterson on: 99/02/09

Page 1

NOTE: BOLD/ITALICS TASK END DATES ARE MAJOR MILESTONES

**Albion-Sheridan Landfill Remedial Group**

150  
02/02/99

March 9, 1999

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 37  
February 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: M506E0701300-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
M. O'Brien - Cooper

**PROGRESS REPORT NO. 37**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: FEBRUARY 1999**

This progress report is submitted in accordance with Paragraph 48 of the Administrative Order, hereafter referred to as the "UAO". This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next 60 days.

**A. ACTIVITIES DURING THIS REPORTING PERIOD**

- The monthly progress report was submitted on February 10, 1999.
- Settlement discussions among the ASTL Group, U.S. EPA and two other potentially responsible parties are under way.
- URSGWC held discussions with U.S. EPA regarding a construction schedule for 1999.

**B. SUMMARY OF FINDINGS**

No findings are reported for this month.

**C. CHANGES MADE IN THE RD/RA**

No changes were made to the RD/RA.

**D. PROBLEMS ENCOUNTERED**

None

**E. CORRECTIVE MEASURES TO RECTIFY PROBLEMS**

None

**F. KEY PERSONNEL CHANGES**

Mr. Rick Uber has assumed the responsibilities of Mr. Christopher Smith; Mr. Ron Sandberg has assumed the responsibilities of Ms. Ceil Price for Cooper Industries.

**G. CONTACTS AND SIGNIFICANT CORRESPONDENCE WITH PUBLIC REPRESENTATIVES**

None

**MONTHLY PROGRESS REPORT NO. 37**

**McGRAW-EDISON SITE  
REMEDIAL DESIGN/REMEDIAL ACTION  
CENTERVILLE, IOWA**

**REPORTING PERIOD: FEBRUARY 1999**

**H. PLANNED UPCOMING EVENTS**

At this time, the group anticipates further schedule discussions will occur with the PRPs and U.S. EPA. Provided the agreed settlement is promptly incorporated into an acceptable Consent Decree binding all of the parties, the remaining landfill closure activities may be completed in 1999.

# **The Albion-Sheridan Landfill PRP Group**

---

K.04  
03/99

April 12, 1999

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 38  
March 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: M506E0701300-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,

Handwritten signature of Clifford Scott Yarb, followed by a slash and the word "for".

John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
Rick Uber- Cooper



## **MONTHLY PROGRESS REPORT NO. 38**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: MARCH 1999**

This progress report is submitted in accordance with Paragraph 36 of the Consent Decree (March 1999). This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next six weeks. Please note that the format of this report is different than that required by Paragraph 48 of the Unilateral Administrative Order (December 1995); only the Consent Decree format will be followed for the remedial action progress reports.

#### **A. ACTIONS TOWARD CONSENT DECREE COMPLIANCE**

The following actions were taken toward compliance with the Consent Decree:

- Settlement discussions among the U.S. EPA, Cooper Industries, Corning, Inc., Decker Manufacturing, and the City of Albion were concluded and agreement was reached to complete the remedial action, including operation and maintenance.
- Access agreements were obtained from property owners around the landfill.
- U.S. EPA notified the Settling RA Defendants of their Project Coordinator and Alternate Project Coordinator.
- Plans were finalized with OHM Remediation. Notice to Proceed was sent to the RA Project Coordinator (URS Greiner Woodward Clyde) on March 17, 1999 and to the RA Supervising Contractor (OHM Remediation Services) verbally on March 17, 1999 and in writing on March 23, 1999. These are ahead of the project milestone dates.

#### **B. SUMMARY OF RESULTS**

There are no results to be described for this period.

#### **C. DELIVERABLES SUBMITTED**

The following was submitted to the U.S. EPA:

## MONTHLY PROGRESS REPORT NO. 38

### ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN

REPORTING PERIOD: MARCH 1999

- Progress Report No. 37 was submitted on March 9, 1999.
- Notice to Proceed was submitted to URS Greiner Woodward Clyde on March 17 and to OHM Remediation on March 23, 1999.

#### D. SCHEDULE: ACTIVITIES OVER NEXT SIX WEEKS

The project schedule in the Consent Decree is attached. The following activities are anticipated:

April 5: Site preparation begins and OHM begins mobilization to the Site  
April 6: Site preconstruction meeting; sample monitor wells MW-09DB(SB) and MW15SB; OHM mobilizing equipment to site  
April 7: Commence clearing in limited areas outside of existing fenceline and grubbing  
Week of April 12: Complete clearing and grubbing, relocate some site fencing.  
April 14: On site meeting to review waste consolidation requirements  
April 15: Begin waste consolidation

#### E. PERCENTAGE COMPLETE, DELAYS, RESOLUTIONS

The following summarizes the percent complete for the activities listed on the Consent Decree RA schedule:

<u>Activity<sup>1</sup></u>	<u>Percent Complete</u>
Group Notice to Proceed	100
<b>Sample New Monitoring Wells</b>	0
Contractor Plan Modification	100
<b>Notice to Group Contractor</b>	100
Site Preparation	50
<b>Mobilization</b>	0
Stripping and Grubbing	80

---

<sup>1</sup> Activities in **Bold** are major milestones

## MONTHLY PROGRESS REPORT NO. 38

### ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN

REPORTING PERIOD: MARCH 1999

<u>Activity<sup>1</sup></u>	<u>Percent Complete</u>
<b>Waste Consolidation</b>	0
Rough Grading	0
Passive Gas Vent Trenches	0
<b>Foundation Layer</b>	0
<b>Install 40 Mil FML</b>	0
Drainage Net	0
<b>Cover Soil Layer</b>	0
Subsurface Drainage System	0
Stormwater Berms and Shoots	0
Topsoil/Seeding	0
Access Road Construction	0
Infiltration Basin Slope	0
Perimeter Fence	0
<b>Prefinal Inspection</b>	0
Prefinal Inspection Report	0
<b>Final Inspection</b>	0
<b>Final Construction Report</b>	0
RA Completion	0

There was a four-day delay, approved by EPA, in sampling the two monitoring wells along Erie Road; the sampling was delayed until OHM mobilized to the site.

#### F. MODIFICATIONS

There have been no schedule delays other than discussed above.

Certain activities will have an early start and potentially early finish. Early start activities included:

- Notices to Proceed
- Site Preparation

## **MONTHLY PROGRESS REPORT NO. 38**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: MARCH 1999**

- Mobilization
- Stripping and Grubbing
- Waste Consolidation

The EPA will be advised each Friday of the scheduled activities for the next week and the potential impact on the schedule.

#### **G. COMMUNITY RELATIONS/COMMUNICATIONS**

No activities have been undertaken in March.

# RA Settling Defendants Construction Schedule - Albion, Sheridan Township Landfill

Task Name	Start Date	End Date	1999							
			Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Group Notice to proceed	99/03/15	99/03/15	△							
<b>Sample new monitoring wells</b>	<b>99/04/02</b>	<b>99/04/02</b>	I							
Subcontractor Plan Modification	99/03/15	99/04/02	[Task Bar]							
<b>Notice to Group Contractor</b>	<b>99/04/02</b>	<b>99/04/02</b>	I							
Site Preparation	99/04/02	99/04/21	[Task Bar]							
<b>Mobilization</b>	<b>99/04/22</b>	<b>99/04/22</b>	I							
Stripping and Grubbing	99/04/22	99/05/07	[Task Bar]							
<b>Waste Consolidation</b>	<b>99/05/03</b>	<b>99/06/11</b>	[Task Bar]							
Rough Grading	99/06/07	99/06/25	[Task Bar]							
Passive Gas Vent Trenches	99/06/14	99/07/02	[Task Bar]							
<b>Foundation Layer</b>	<b>99/06/28</b>	<b>99/07/09</b>	[Task Bar]							
<b>Install 40 Mil FML Liner</b>	<b>99/07/12</b>	<b>99/08/16</b>	[Task Bar]							
Drainage Net	99/07/19	99/08/16	[Task Bar]							
<b>Cover Soil layer</b>	<b>99/08/09</b>	<b>99/09/07</b>	[Task Bar]							
Subsurface Drainage	99/08/02	99/08/13	[Task Bar]							
Stormwater Berms and Shoots	99/08/16	99/08/27	[Task Bar]							
Topsoil/Seeding	99/08/30	99/09/13	[Task Bar]							
Access Road Construction	99/09/13	99/09/15	[Task Bar]							
Infiltration Basin Slope	99/08/23	99/08/27	[Task Bar]							
Perimeter Fence	99/09/13	99/09/15	[Task Bar]							
<b>Prefinal Inspection</b>	<b>99/09/07</b>	<b>99/09/07</b>	△							
Prefinal Inspection Report	99/09/07	99/09/17	[Task Bar]							
<b>Final Inspection</b>	<b>99/09/30</b>	<b>99/09/30</b>	△							
<b>Final Construction Report</b>	<b>99/09/30</b>	<b>99/10/19</b>	[Task Bar]							
Completion	99/10/20	99/10/20	△							

Updated by Jon Peterson on: 99/02/09

Page 1

NOTE: BOLD/ITALICS TASK END DATES ARE MAJOR MILESTONES

**URS Greiner Woodward Clyde**

A Division of URS Corporation

Client: \_\_\_\_\_

Project Name: \_\_\_\_\_

Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Issue Date: 5/10/99**FAX TRANSMITTAL  
COVER SHEET**TO: Jon PetersonCOMPANY: U.S.E.P.A.FAX NUMBER: (312) 886-4071FROM: John SeymourPHONE: (313) 961-9797NUMBER OF PAGES (INCLUDING COVER SHEET): 7

SUBJECT: \_\_\_\_\_

COMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_**If there are problems with this transmission, call (313) 961-9797 immediately.**

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400 Monroe St., Suite 400  
Detroit, MI 48226  
(313) 961-9797  
FAX (313) 961-3480

34405 W. 12 Mile Rd., Suite 299  
Farmington Hills, MI 48331-5627  
(248) 353-9449  
FAX (248) 353-9571

3950 Sparks Drive, SE  
Grand Rapids, MI 49546  
(616) 385-3500  
FAX (616) 383-3542

Sent ☐

**The Albion-Sheridan Landfill PRP Group**  
**\_\_\_\_\_**

May 10, 1999

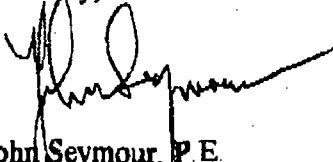
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 39  
April 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: M506E0701300-11

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
M. O'Brien - Cooper

**PROGRESS REPORT NO. 39****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: APRIL 1999**

This progress report is submitted in accordance with Paragraph 36 of the Consent Decree (April 1999). This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next six weeks. Please note that the format of this report is different than that required by Paragraph 48 of the Unilateral Administrative Order (December 1995); only the Consent Decree format will be followed for the remedial action progress reports.

**A. ACTIONS TOWARD CONSENT DECREE COMPLIANCE**

- Stripping and grubbing activities began on April 14, 1999.
- 75% of the existing property boundary fence was removed
- Rough grading began on April 21<sup>st</sup>.

**B. SUMMARY OF RESULTS**

There are no results to be described for this period.

**C. DELIVERABLES SUBMITTED**

The following was submitted to the U.S. EPA:

- Progress Report No. 38 was submitted on April 12, 1999.



**MONTHLY PROGRESS REPORT NO. 39****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: APRIL 1999**

- Stripping and grubbing activities began on April 14, 1999.

**D. SCHEDULE: ACTIVITIES OVER NEXT SIX WEEKS**

The project schedule in the Consent Decree is attached. The following activities are anticipated:

May: Waste consolidation

The week of May 10: Installation of the site fencing

The week of May 28: The foundation layer (this includes passive gas collection sand) will begin to be placed

**E. PERCENTAGE COMPLETE, DELAYS, RESOLUTIONS**

The following summarizes the percent complete for the activities listed on the Consent Decree RA schedule:

<u>Activity<sup>1</sup></u>	<u>Percent Complete</u>
<b>Mobilization</b>	90
Stripping and Grubbing	100
<b>Waste Consolidation</b>	0
Rough Grading	80
Passive Gas Vent Trenches	0

<sup>1</sup> Activities in **Bold** are major milestones

**MONTHLY PROGRESS REPORT NO. 39****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: APRIL 1999**

<b>Foundation Layer</b>	<b>0</b>
<b>Install 40 Mil FML</b>	<b>0</b>
<b>Drainage Net</b>	<b>0</b>
<b>Cover Soil Layer</b>	<b>0</b>
<b>Subsurface Drainage System</b>	<b>0</b>
<b>Stormwater Berms and Shoots</b>	<b>0</b>
<b>Topsoil/Seeding</b>	<b>0</b>
<b>Access Road Construction</b>	<b>0</b>
<b>Infiltration Basin Slope</b>	<b>0</b>
<b>Perimeter Fence</b>	<b>0</b>
<b>Prefinal Inspection</b>	<b>0</b>
<b>Prefinal Inspection Report</b>	<b>0</b>
<b>Final Inspection</b>	<b>0</b>
<b>Final Construction Report</b>	<b>0</b>
<b>RA Completion</b>	<b>0</b>

**F. MODIFICATIONS**

There have been no schedule delays, waste consolidation began on May 3<sup>rd</sup>, as scheduled.

Certain activities will have an early start and potentially early finish. Early start activities included:

- Notices to Proceed
- Site Preparation
- Mobilization
- Rough Grading

**MONTHLY PROGRESS REPORT NO. 39****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: APRIL 1999**

- Stripping and Grubbing
- Waste Consolidation

The EPA will be advised each Friday of the scheduled activities for the next week and the potential impact on the schedule.

**G. COMMUNITY RELATIONS/COMMUNICATIONS**

No activities have been undertaken in April.

# RA Settling Defendants Construction Schedule - Albion-Sheridan Township Landfill

ID	Task Name	Start	Finish	Duration	Notes	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1	Group Notice to Proceed	03/15/99	03/15/99	1d	100 % Complete									
2	Sample New Monitoring Wells	04/02/99	04/02/99	1d	100 % Complete									
3	Subcontractor Plan Modification	03/15/99	04/02/99	15d	100 % Complete									
4	Notice to Group Contractor	04/02/99	04/02/99	1d	100 % Complete									
5	Site Preparation	04/02/99	04/21/99	14d	100 % Complete									
6	Mobilization	04/21/99	04/21/99	1d	100 % Complete									
7	Stripping and Grubbing	04/22/99	05/07/99	12d	100 % Complete									
8	Waste Consolidation	05/03/99	06/11/99	30d										
9	Rough Grading	06/07/99	06/25/99	15d	80 % Complete									
10	Passive Gas Vent Trenches	06/14/99	07/02/99	15d										
11	Foundation Layer	06/28/99	07/09/99	10d										
12	Install 40 mil FML Liner	07/12/99	08/16/99	26d										
13	Drainage Net	07/19/99	08/16/99	21d										
14	Cover Soil Layer	08/09/99	09/07/99	22d										
15	Subsurface Drainage	08/02/99	08/13/99	10d										
16	Stormwater Berms and Shoots	08/16/99	08/27/99	10d										
17	Topsoil/Seeding	08/30/99	09/13/99	11d										
18	Access Road Construction	09/13/99	09/15/99	3d										
19	Infiltration Basin Slopes	08/23/99	08/27/99	5d										
20	Perimeter Fence	09/13/99	09/15/99	3d										
21	Prefinal Inspection	09/07/99	09/07/99	1d										
22	Prefinal Inspection Report	09/07/99	09/17/99	9d										
23	Final Inspection	09/30/99	09/30/99	1d										
24	Final Construction report	09/30/99	10/19/99	14d										
25	Completion	10/20/99	10/20/99	1d										

Status as of : 04/30/99  
 \\S051NT01\USERS\MMATHAR\ALBION\SCHEDL01.MPP

Task



Progress



One Day Event



**Project: Albion-Sheridan Township Landfill (M506E07013.00)**

**URS Greiner Woodward Clyde**

K.64  
05/99

## **The Albion-Sheridan Landfill PRP Group**

June 10, 1999

WCC Letter ID: ASTL 0024

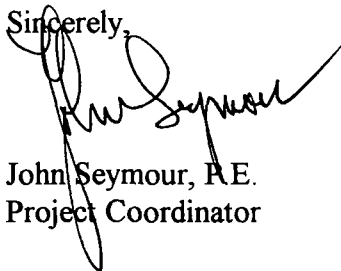
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 40  
May 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No. M506E0701300-21

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, R.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
R. Uber - Cooper  
M. Schafer- MDEQ

## **PROGRESS REPORT NO. 40**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: MAY 1999**

This progress report is submitted in accordance with Paragraph 36 of the Consent Decree.

This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next six weeks. Please note that the format of this report is different than that required by Paragraph 48 of the Unilateral Administrative Order (December 1995); only the Consent Decree format will be followed for the remedial action progress reports.

#### **A. ACTIONS TOWARD CONSENT DECREE COMPLIANCE**

- Stripping and grubbing activities have been completed.
- Rough grading is 90% completed.
- A total of 95% of the existing property boundary fence was removed. The remaining 5% do not require removal.
- Construction of the perimeter fence began on May 14<sup>th</sup>.
- Waste Consolidation began on May 3<sup>rd</sup>.
- The Settling Operation and Maintenance (O&M) Defendants were notified of the name of the Project Coordinator, Alternate Project Coordinator and Supervising RA Contractor on May 21, 1999. The EPA had been notified previously.
- The EPA and the Settling O & M Defendants were provided with copies of OHM Remediation Services (Supervising RA Contractor) insurance certificates on May 24, 1999 naming the EPA as an additional insured; the insurance was in effect as of April 1, 1999, but had not named the EPA as an additional insured.

#### **B. SUMMARY OF RESULTS**

There are no results to be described for this period.

#### **C. DELIVERABLES SUBMITTED**

The following was submitted to the U.S. EPA:

- Progress Report No. 39 was submitted on May 10, 1999.
- See Section A for additional submittals that were provided to meet the Consent Decree.

#### **D. SCHEDULE: ACTIVITIES OVER NEXT SIX WEEKS**

The project schedule in the Consent Decree is attached. The following activities are anticipated:

## PROGRESS REPORT NO. 40

### ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN

#### REPORTING PERIOD: MAY 1999

- The week of May 31<sup>st</sup>: Complete waste consolidation and rough grading
- The week of May 31<sup>st</sup>: Characterize the green/turquoise material and drums to identify if any are hazardous wastes.
- June: Continue the installation of the perimeter fence
- The week of June 7<sup>th</sup>: Construction of the horizontal gas vent pipes will begin
- The week of June 7<sup>th</sup>: Construction of the gas collection/foundation layer will begin
- Installation of the 40 mil flexible membrane liner (FML) is scheduled to begin on July 12, 1999

#### E. PERCENTAGE COMPLETE, DELAYS, RESOLUTIONS

The following summarizes the percent complete for the activities listed on the Consent Decree RA schedule:

<u>Activity</u>	<u>Percent Complete</u>
Mobilization	100
Stripping and Grubbing	100
Waste Consolidation	95
Rough Grading	90
Passive Gas Vent Trenches	0
Foundation Layer	0
Install 40 mil FML	0
Drainage Net	0
Cover Soil Layer	0
Subsurface Drainage System	0
Stormwater Berms and Shoots	0
Topsoil/Seeding	0
Access Road Construction	0
Infiltration Basin Slope	0
Perimeter Fence	50
Prefinal Inspection Report	0
Final Inspection	0
Final Construction Report	0
RA Completion	0

## **PROGRESS REPORT NO. 40**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: MAY 1999**

#### **F. MODIFICATIONS**

A Work Change Directive was written to change the alignment of the designed fence. The new alignment will encompass the adjacent property west of the landfill, that will contain the Southwest Stormwater Retention/Infiltration Basin and provide security to the property owned by CDC Associates in accordance with the Consent Decree (Sec. V.9.d). A green/turquoise colored solid material was discovered in the waste consolidation excavation on the eastern side of the site. This material has been segregated, sampled and will be characterized to identify if it is a hazardous waste.

Approximately 30 drums have been discovered in the waste consolidation excavation and rough grading; they have been overpacked, staged in a secure area, and will be characterized to identify if any are hazardous wastes.

There have been no schedule delays.

Certain activities have had an early start and a potentially will have an early finish. Early start activities included:

- Notices to Proceed
- Site Preparation
- Mobilization
- Rough Grading
- Perimeter Fence Installation

Certain other activities that are expected to have an early start include:

- Passive Gas Vent Trenches
- Gas Collection/Foundation Layer
- Installation of the 40 mil FML

The EPA will be advised each Friday of the scheduled activities for the next week and the potential impact on the schedule.

#### **G. COMMUNITY RELATIONS/COMMUNICATIONS**

OHM Remediation Services has retained the services of Great Northern Security. This security firm is onsite during non-business hours to protect the public from any hazards until the perimeter fence is completely installed.

No Community Relation activities occurred in May.



# RA Settling Defendants Construction Schedule - Albion-Sheridan Township Landfill

ID	Task Name	Start	Finish	Duration	Notes	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1	Group Notice to Proceed	03/15/99	03/15/99	1d	100 % Complete									
2	Sample New Monitoring Wells	04/02/99	04/02/99	1d	100 % Complete									
3	Subcontractor Plan Modification	03/15/99	04/02/99	15d	100 % Complete									
4	Notice to Group Contractor	04/02/99	04/02/99	1d	100 % Complete									
5	Site Preparation	04/02/99	04/21/99	14d	100 % Complete									
6	Mobilization	04/21/99	04/21/99	1d	100 % Complete									
7	Stripping and Grubbing	04/22/99	05/07/99	12d	100 % Complete									
8	Waste Consolidation	05/03/99	06/11/99	30d	95% Complete									
9	Rough Grading	06/07/99	06/25/99	15d	90 % Complete									
10	Passive Gas Vent Trenches	06/14/99	07/02/99	15d										
11	Foundation Layer	06/28/99	07/09/99	10d										
12	Install 40 mil FML Liner	07/12/99	08/16/99	26d										
13	Drainage Net	07/19/99	08/16/99	21d										
14	Cover Soil Layer	08/09/99	09/07/99	22d										
15	Subsurface Drainage	08/02/99	08/13/99	10d										
16	Stormwater Berms and Shoots	08/16/99	08/27/99	10d										
17	Topsoil/Seeding	08/30/99	09/13/99	11d										
18	Access Road Construction	09/13/99	09/15/99	3d										
19	Infiltration Basin Slopes	08/23/99	08/27/99	5d										
20	Perimeter Fence	09/13/99	09/15/99	3d	50% Complete									
21	Prefinal Inspection	09/07/99	09/07/99	1d										
22	Prefinal Inspection Report	09/07/99	09/17/99	9d										
23	Final Inspection	09/30/99	09/30/99	1d										
24	Final Construction report	09/30/99	10/19/99	14d										
25	Completion	10/20/99	10/20/99	1d										

Status as of : 05/31/99

\\S051NTD1\USERS\WIMATH\ALBION\SCHEDL01.MPP

Task

Progress

One Day Event

Project: Albion-Sheridan Township Landfill (M506E07013.00)

URS Greiner Woodward Clyde

K.04  
06/29

## **The Albion-Sheridan Landfill PRP Group**

July 12, 1999

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 41  
June 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No. M506E0701300-21

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
R. Uber - Cooper

## **PROGRESS REPORT NO. 41**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: JUNE 1999**

This progress report is submitted in accordance with Paragraph 36 of the Consent Decree. This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next six weeks. Please note that the format of this report is different than that required by Paragraph 48 of the Unilateral Administrative Order (December 1995); only the Consent Decree format will be followed for the remedial action progress reports.

#### **A. ACTIONS TOWARD CONSENT DECREE COMPLIANCE**

- Waste Consolidation has been completed.
- Construction of the perimeter fence continues.
- Installation of the horizontal gas vent piping has been completed.
- Construction of the east drainage swale began on June 7<sup>th</sup>.
- Backfilling of the low area at the south end of the landfill has been completed.
- Construction of the gas collection/foundation layer began on June 22<sup>nd</sup>.

#### **B. SUMMARY OF RESULTS**

There are no results to be described for this period.

#### **C. DELIVERABLES SUBMITTED**

The following was submitted to the U.S. EPA:

- Progress Report No. 40 was submitted on June 10, 1999.

#### **D. SCHEDULE: ACTIVITIES OVER NEXT SIX WEEKS**

The project schedule in the Consent Decree is attached. The following activities are anticipated:

- July: Continue the installation of the perimeter fence
- The week of July 5: Complete construction of the gas collection/foundation layer.
- The week of July 12: Placement of the FML is scheduled to begin.
- The week of July 19: Placement of the Drainage Net is scheduled to begin.
- End of July: Construction of the cover soil layer is scheduled to begin.

## PROGRESS REPORT NO. 41

### ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN

REPORTING PERIOD: JUNE 1999

#### E. PERCENTAGE COMPLETE, DELAYS, RESOLUTIONS

The following summarizes the percent complete for the activities listed on the Consent Decree RA schedule:

<u>Activity</u>	<u>Percent Complete</u>
Mobilization	100
Stripping and Grubbing	100
Waste Consolidation	100
Rough Grading	100
Passive Gas Vent Trenches	100
Foundation Layer	50
Install 40 mil FML	0
Drainage Net	0
Cover Soil Layer	0
Subsurface Drainage System	0
Stormwater Berms and Shoots	0
Topsoil/Seeding	0
Access Road Construction	0
Infiltration Basin Slope	0
Perimeter Fence	70
Prefinal Inspection Report	0
Final Inspection	0
Final Construction Report	0
RA Completion	0

#### F. MODIFICATIONS

The discolored (bluish-green) material, segregated last month, was sampled and tested. Following the review of the test results it was determined that approximately 200 cubic yards will require offsite disposal. This material is scheduled for offsite disposal the week of July 5th. The remaining 400 cubic yards were spread and consolidated on the onsite landfill.

A Work Change Directive was written to excavate, load and haul approximately 200 cubic yards of construction debris, located outside of the designed landfill limits (northeast corner). The debris was incorporated into the onsite landfill and followed the same specifications as waste consolidation.

## **PROGRESS REPORT NO. 41**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

#### **REPORTING PERIOD: JUNE 1999**

Following completion of the waste consolidation, 35 drums, located at the drum staging area, were sampled and tested. Based on preliminary test results the drums will require offsite disposal.

There have been no schedule delays.

Certain activities had an early start and a potentially early finish. Early start activities included:

- Notices to Proceed
- Site Preparation
- Mobilization
- Rough Grading
- Perimeter Fence Installation
- Passive Gas Vent Trenches
- Gas Collection/Foundation Layer

Certain other activities are expected to have an early start include:

- Construction of the cover soil layer

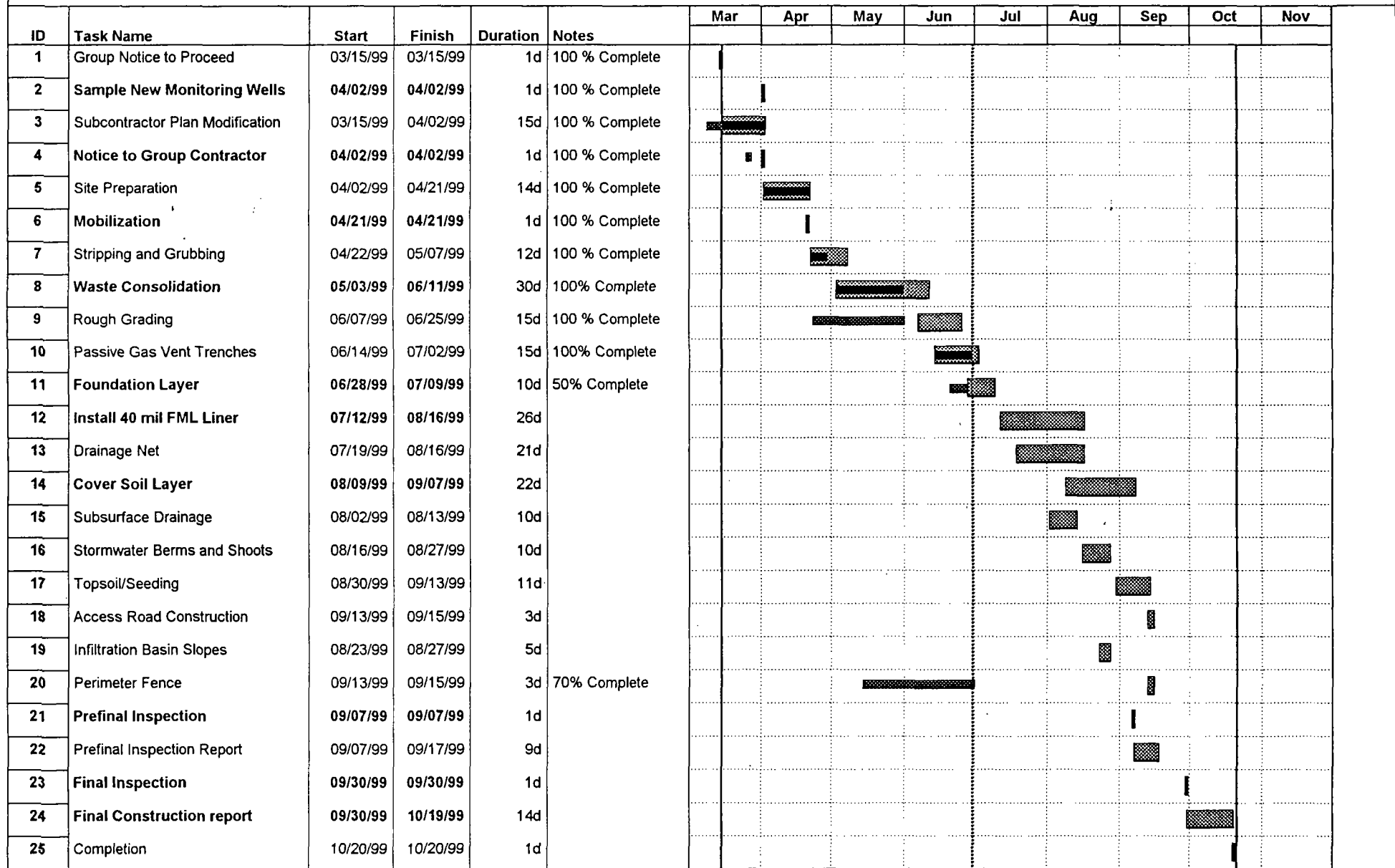
The EPA will be advised each Friday of the scheduled activities for the next week and the potential impact on the schedule.

#### **G. COMMUNITY RELATIONS/COMMUNICATIONS**

OHM Remediation Services discontinued the services of Great Northern Security. The perimeter fence has been installed along the North, East and West alignment and orange construction fencing has been constructed along the southern alignment.

No Community Relation incidents occurred in June.

# RA Settling Defendants Construction Schedule - Albion-Sheridan Township Landfill



Status as of : 06/30/99

\\S051NT01\USERS\MMATHAR\ALBION\SCHEDL01.MPP

Task



Progress



One Day Event



Project: Albion-Sheridan Township Landfill (M506E07013.00)

URS Greiner Woodward Clyde

Client: \_\_\_\_\_  
Project Name: \_\_\_\_\_  
Location: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Issue Date: 9/10/99

**FAX TRANSMITTAL  
COVER SHEET**

TO:

John Peterson

COMPANY: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

FROM:

John Symour

PHONE: (313) 961-9797

NUMBER OF PAGES (INCLUDING COVER SHEET): 7

SUBJECT:

Progress ReportCOMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_

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FAX (248) 553-9571

3950 Sparks Drive, SE  
Grand Rapids, MI 49546  
(616) 285-3500  
FAX (616) 285-3542

Sent ☐

K . 04  
8/10/99

## **The Albion-Sheridan Landfill PRP Group**

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September 10, 1999  
WCC Letter ID: ASTL 0058

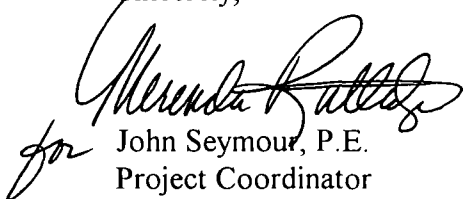
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 43  
August 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No. M506E0701300-21

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions

Sincerely,

  
John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
R. Uber - Cooper  
M. Schaefer - MDEQ  
M. Baker - SECOR  
L. Schmidt - City of Albion  
C. Denton - Varnum, Riddering, Schmidt & Howlett, L.L.P.  
P. Moilanen - Bullen, Moilanen, Klaasen & Swan, P.C.



## **PROGRESS REPORT NO. 43**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: AUGUST 1999**

This progress report is submitted in accordance with Paragraph 36 of the Consent Decree. This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next six weeks. Please note that the format of this report is different than that required by Paragraph 48 of the Unilateral Administrative Order (December 1995); only the Consent Decree format will be followed for the remedial action progress reports.

#### **A. ACTIONS TOWARD CONSENT DECREE COMPLIANCE**

- Construction of the perimeter fence continues.
- Placement of the flexible membrane liner (FML) cap has been completed.
- Placement of the drainage net has been completed.
- Construction of the coversoil layer began 3 August, 1999.
- Construction of the subdrain and berm drain began on 1 August, 1999.
- Construction of the berms began on 5 August, 1999.

#### **B. SUMMARY OF RESULTS**

The coversoil has been visually classified and tested for grain size distribution at the frequency specified in the Construction Quality Assurance Plan (CQAP), Section 4.5.5 Coversoil Layer Construction Testing and it has met project requirements to date.

The type 1 drainage material has been tested for grain size distribution and soundness at the frequency specified in the Construction Quality Assurance Plan (CQAP), Section 4.5.6 Type 1 Drainage Material Pre-certification Tests and it has met project requirements to date.

Conformance sampling and testing of the 40 mil smooth and textured FML were conducted as specified in the CQAP, Section 4.5.3, Conformance Testing. All of the conformance samples indicated that the FML rolls onsite meet the specified requirements.

Non-destructive seam testing of the 40 mil FML is ongoing. Seams that have not met the specified requirements have been repaired by an approved method.

Destructive seam testing of the 40 mil FML is being conducted at the frequency outlined in the specifications. To date, no seam has failed destructive seam testing.

## **PROGRESS REPORT NO. 43**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: AUGUST 1999**

OHM Remediation Services is currently in the process of sampling topsoil sources as specified in the CQAP, Section 4.5.7, Requirements for Topsoil.

#### **C. DELIVERABLES SUBMITTED**

The following was submitted to the U.S. EPA:

- Progress Report No. 42 was submitted on August 10, 1999.

#### **D. SCHEDULE: ACTIVITIES OVER NEXT SIX WEEKS**

The project schedule in the Consent Decree is attached. The following activities are anticipated:

- September: Continue the installation of the perimeter fence
- The week of September 6: Complete the construction of the coversoil layer, berms and subdrain system.
- The week of September 6: Complete construction of the east rip rap shoot.
- The week of September 6: Begin construction of the topsoil layer and access road.
- September 7: Conduct Prefinal Inspection
- The week of September 13: Begin and complete Gas Monitoring Probe installations.
- The week of September 20: Complete the topsoil layer and begin seeding.
- The week of September 27: Complete seeding activities and complete construction of the west rip rap shoots.
- September 30: Conduct Final Inspection.
- October 1: Complete capping project.

#### **E. PERCENTAGE COMPLETE, DELAYS, RESOLUTIONS**

The following summarizes the percent complete for the activities listed on the Consent Decree RA schedule:

<u>Activity</u>	<u>Percent Complete</u>
Mobilization	100
Stripping and Grubbing	100

**PROGRESS REPORT NO. 43**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: AUGUST 1999**

Waste Consolidation	100
Rough Grading	100
Passive Gas Vent Trenches	100
Foundation Layer	100
Install 40 mil FML	100
Drainage Net	100
Cover Soil Layer	90
Subsurface Drainage System	100
Stormwater Berms and Shoots	80
Topsoil/Seeding	0
Access Road Construction	10
Infiltration Basin Slope	50
Perimeter Fence	80
Prefinal Inspection	0
Prefinal Inspection Report	0
Final Inspection	0
Final Construction Report	0
RA Completion	0

**F. MODIFICATIONS**

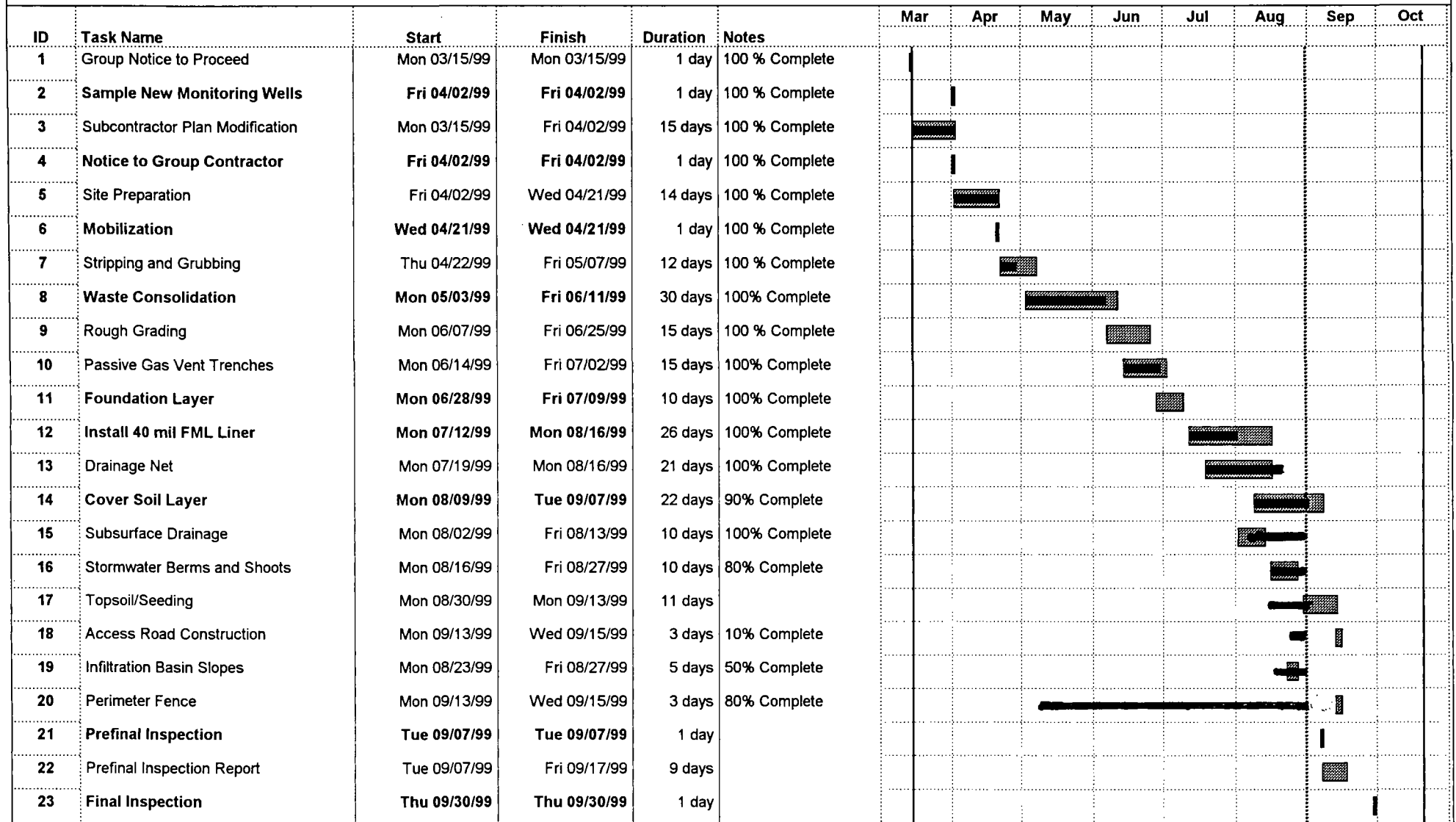
Due to the rain delays that occurred over the month of July, the final completion date of 15 September, 1999 has been pushed back two weeks to 29 September, 1999.

The EPA will be advised each Friday of the scheduled activities for the next week and the potential impact on the schedule.

**G. COMMUNITY RELATIONS/COMMUNICATIONS**

Several local persons have been onsite to inquire about the project and seeking employment. No community relations have since occurred.

# RA Settling Defendants Construction Schedule - Albion-Sheridan Township Landfill



Status as of : 08/31/99  
SCHEDL01.MPP

Task



External Tasks



Rolled Up Split



Progress



Project Summary



One Day Event



Split



Project: Albion-Sheridan Township Landfill (M506E07013.00)

URS Greiner Woodward Clyde

# RA Settling Defendants Construction Schedule - Albion-Sheridan Township Landfill

ID	Task Name	Start	Finish	Duration	Notes	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
24	Final Construction report	Thu 09/30/99	Tue 10/19/99	14 days									
25	Completion	Wed 10/20/99	Wed 10/20/99	1 day									

Status as of : 08/31/99  
SCHEDL01.MPP

Task



External Tasks



Rolled Up Split

.....

Progress



Project Summary



One Day Event



Split

.....

Project: Albion-Sheridan Township Landfill (M506E07013.00)

URS Greiner Woodward Clyde

# **The Albion-Sheridan Landfill PRP Group**

K.04

7/10/99

August 10, 1999

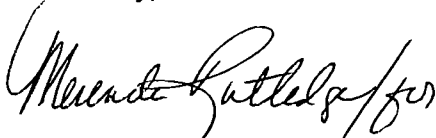
Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 43  
July 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No.: M506E0701300-21

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure

cc: J. Gray - Corning  
R. Uber - Cooper  
M. Schafer - MDEQ

PROGRESS REPORT NO. 43

ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN

REPORTING PERIOD: JULY 1999

This progress report is submitted in accordance with Paragraph 36 of the Consent Decree. This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next six weeks. Please note that the format of this report is different than that required by Paragraph 48 of the Unilateral Administrative Order (December 1995); only the Consent Decree format will be followed for the remedial action progress reports.

**A. ACTIONS TOWARD CONSENT DECREE COMPLIANCE**

- Construction of the perimeter fence continues.
- Construction of the east drainage swale has been completed.
- Construction of the gas collection/foundation layer has been completed.
- Placement of the flexible membrane liner (FML) cap began on July 12<sup>th</sup>.
- Placement of the drainage net began on July 19<sup>th</sup>.

**B. SUMMARY OF RESULTS**

The gas collection/foundation layer material was tested as specified in the Construction Quality Assurance Plan (CQAP), Section 4.5.2 Gas Collection/Foundation Layer Test Program. The material that did not meet the specified requirements were removed and replaced with material meeting the requirements.

Conformance sampling and testing of the 40-mil smooth and textured flexible membrane liner (FML) were conducted as specified in the CQAP, Section 4.5.3, Conformance Testing. All of the conformance samples indicated that the FML rolls on site meet the specified requirements.

Non-destructive seam testing of the 40-mil FML is ongoing. Seams that have not met the specified requirements have been repaired by an approved method.

Destructive seam testing of the 40-mil FML is being conducted at the frequency outlined in the specifications. To-date, no seam has failed destructive seam testing.

**C. DELIVERABLES SUBMITTED**

The following was submitted to the U.S. EPA:

- Progress Report No. 41 was submitted on July 12, 1999.

PROGRESS REPORT NO. 43

ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN

REPORTING PERIOD: JULY 1999

**D. SCHEDULE: ACTIVITIES OVER NEXT SIX WEEKS**

The project schedule in the Consent Decree is attached. The following activities are anticipated:

- August: Continue the installation of the perimeter fence
- August 2<sup>nd</sup>: Begin construction of the subsurface drainage.
- August 9<sup>th</sup>: Begin placement of the coversoil layer.
- The week of August 16: Complete placement of the FML.
- The week of August 16: Begin construction of the stormwater berms and shoots.
- The week of August 23: Complete placement of the Drainage Net.
- End of August: Begin placement of the topsoil layer.

**E. PERCENTAGE COMPLETE, DELAYS, RESOLUTIONS**

The following summarizes the percent complete for the activities listed on the Consent Decree RA schedule:

<u>Activity</u>	<u>Percent Complete</u>
Mobilization	100
Stripping and Grubbing	100
Waste Consolidation	100
Rough Grading	100
Passive Gas Vent Trenches	100
Foundation Layer	100
Install 40-mil FML	50
Drainage Net	25
Cover Soil Layer	0
Subsurface Drainage System	0
Stormwater Berms and Shoots	0
Topsoil/Seeding	0
Access Road Construction	0
Infiltration Basin Slope	0
Perimeter Fence	80
Prefinal Inspection Report	0
Final Inspection	0
Final Construction Report	0
RA Completion	0



PROGRESS REPORT NO. 43

ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN

REPORTING PERIOD: JULY 1999

Because of the estimated 8 inches of rain received during the month of July, it appears that the completion date of the drainage net installation has been pushed back one week. However, this delay should not cause a delay in the start date of the remaining activities.

**F. MODIFICATIONS**

The stockpiled 200 cubic yards of the discolored (bluish-green) material was loaded and hauled offsite to Michigan Disposal Waste Treatment, Bellevue, Michigan and treated to meet RCRA Land Disposal Restrictions.

A seep has been noted in the northwest corner of the site. The water seep has been contained using a small berm to collect the water, which is periodically pumped and used to water the top surface of the landfill.

The EPA will be advised each Friday of the scheduled activities for the next week and the potential impact on the schedule.

**G. COMMUNITY RELATIONS/COMMUNICATIONS**

A reporter from the Albion Reporter Newspaper was onsite to do a story on the landfill project. The reporter was referred to John Seymour, Project Coordinator for the ASTL Group. Several other local persons have been on site without incident.

**URS Greiner Woodward Clyde**

K. 04

9/1/99

**FAX TRANSMITTAL  
COVER SHEET**

Client: \_\_\_\_\_

Project Name: \_\_\_\_\_

Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Issue Date: 10/11/99TO: Jon Peterson

COMPANY: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

FROM: John SeymanPHONE: (313) 961-9797NUMBER OF PAGES (INCLUDING COVER SHEET): 6SUBJECT: Progress ReportCOMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
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34405 W. 12 Mile Rd., Suite 299  
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FAX (248) 553-9571

3950 Sparks Drive, SE  
Grand Rapids, MI 49546  
(616) 285-3500  
FAX (616) 285-3542

Sent ☐

K. 04  
9/1/99**The Albion-Sheridan Landfill PRP Group**

October 11, 1999

WCC Letter ID: ASTL 0075

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

Subject: Monthly Progress Report No. 44  
September 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No. M506E0701300-21

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. The end of the Remedial Action (RA) Construction will occur in October 1999. The ASTL PRP Group requests that the Operation & Maintenance (O&M) Group provide the final O&M Plan to us; further, the ASTL PRP Group requests that the O&M Group attend the final inspection, proposed for November 2, 1999 at 10:30 a.m., and review the respective responsibilities for the O&M period.

Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure:

cc: J. Gray - Corning  
R. Uber - Cooper  
M. Schaefer - MDEQ  
M. Daker - SECOR  
L. Schmidt - City of Albion  
C. Denton - Varnum, Riddering, Schmidt & Howlett, L.L.P.  
P. Moilanen - Bullen, Moilanen, Klaasen & Swan, P.C.

**PROGRESS REPORT NO. 44****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: SEPTEMBER 1999**

This progress report is submitted in accordance with Paragraph 36 of the Consent Decree. This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next six weeks. Please note that the format of this report is different than that required by Paragraph 48 of the Unilateral Administrative Order (December 1995); only the Consent Decree format will be followed for the remedial action progress reports.

The final inspection for the remedial action is proposed for November 2, 1999 at 10:30 a.m.

**A. ACTIONS TOWARD CONSENT DECREE COMPLIANCE**

- Construction of the perimeter fence continues.
- Construction of the cover soil layer has been completed.
- Construction of the subdrains and berm drains has been completed.
- Construction of the storm water control berms has been completed.
- Construction of the riprap shoots has been completed.
- The Prefinal inspection was held on September 7<sup>th</sup>.

**B. SUMMARY OF RESULTS**

The coversoil has been visually classified and tested for grain size distribution at the frequency specified in the Construction Quality Assurance Plan (CQAP), Section 4.5.5 Coversoil Layer Construction Testing and it has met project requirements to date.

The Type 1 drainage material has been tested for grain size distribution and soundness at the frequency specified in the Construction Quality Assurance Plan (CQAP), Section 4.5.6 Type 1 Drainage Material Pre-certification Tests, and it has met project requirements to date.

The topsoil has been tested by the Contractor as specified in the CQAP, Section 4.5.7, Requirements for Topsoil. The Pre-certification test results for the two selected sources meet the project requirements.

**PROGRESS REPORT NO. 44****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: SEPTEMBER 1999****C. DELIVERABLES SUBMITTED**

The following was submitted to the U.S. EPA:

- Progress Report No. 43 was submitted on September 10, 1999.
- As specified in the Consent Decree, the Final Completion Report will be submitted 30 days after the Final Inspection.

**D. SCHEDULE: ACTIVITIES OVER NEXT SIX WEEKS**

The project schedule in the Consent Decree is attached. The following activities are anticipated:

- The week of October 4: Complete seeding and mulching activities.
- The week of October 11: Complete construction of the perimeter fence.
- The week of October 11: Complete the construction of the site access road.
- The week of November 2: Conduct the Final Inspection.

**E. PERCENTAGE COMPLETE, DELAYS, RESOLUTIONS**

The following summarizes the percent complete for the activities listed on the Consent Decree RA schedule:

<u>Activity</u>	<u>Percent Complete</u>
Mobilization	100
Stripping and Grubbing	100
Waste Consolidation	100
Rough Grading	100
Passive Gas Vent Trenches	100
Foundation Layer	100
Install 40 mil FML	100
Drainage Net	100
Cover Soil Layer	100
Subsurface Drainage System	100
Storm water Berms and Shoots	100
Topsoil/Seeding	75
Access Road Construction	95

**PROGRESS REPORT NO. 44****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: SEPTEMBER 1999**

<u>Activity</u>	<u>Percent Complete</u>
Infiltration Basin Slope	100
Perimeter Fence	80
Prefinal Inspection	100
Prefinal Inspection Report	100
Final Inspection	0
Final Construction Report	0
RA Completion	0

**F. MODIFICATIONS**

Due to the rain delays that occurred during the last week of September, the seeding and mulching activity has been delayed to the first week of October.

The additional berm, located at the northwest corner of the landfill, has been constructed as shown and described on the approved design change. This design change was approved based on the understanding that if erosion did occur further corrective measures would be developed and implemented.

The EPA will be advised each Friday of the scheduled activities for the next week and the potential impact on the schedule.

**G. COMMUNITY RELATIONS/COMMUNICATIONS**

No community relations/communications have occurred during this reporting period.

# RA Settling Defendants Construction Schedule - Albion-Sheridan Township Landfill

ID	Task Name	Start	Finish	Duration	Notes	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1	Group Notice to Proceed	03/15/99	03/15/99	1d	100 % Complete									
2	Sample New Monitoring Wells	04/02/99	04/02/99	1d	100 % Complete									
3	Subcontractor Plan Modification	03/15/99	04/02/99	15d	100 % Complete									
4	Notice to Group Contractor	04/02/99	04/02/99	1d	100 % Complete									
5	Site Preparation	04/02/99	04/21/99	14d	100 % Complete									
6	Nobilization	04/21/99	04/21/99	1d	100 % Complete									
7	Stripping and Grubbing	04/22/99	05/07/99	12d	100 % Complete									
8	Waste Consolidation	05/03/99	06/11/99	30d	100% Complete									
9	rough Grading	06/07/99	06/25/99	15d	100 % Complete									
10	Passive Gas Vent Trenches	06/14/99	07/02/99	15d	100% Complete									
11	Foundation Layer	06/28/99	07/09/99	10d	100 % Complete									
12	Install 40 mil FML Liner	07/12/99	08/16/99	25d	100 % Complete									
13	Drainage Net	07/19/99	08/16/99	27d	100 % Complete									
14	Cover Soil Layer	08/09/99	09/07/99	22d	100 % Complete									
15	Subsurface Drainage	08/02/99	08/13/99	10d	100 % Complete									
16	Stormwater Berms and Shoors	08/16/99	08/27/99	10d	100 % Complete									
17	Topsoil/Seeding	08/30/99	09/13/99	11d	75% Complete									
18	Access Road Construction	09/13/99	09/15/99	3d	93% Complete									
19	Infiltration Basin Slopes	08/23/99	08/27/99	5d	100% Complete									
20	Perimeter Fence	09/13/99	09/15/99	3d	80 % Complete									
21	Prefina Inspection	09/07/99	09/07/99	1d	100 % Complete									
22	Prefinal Inspection Report	08/07/99	09/17/99	9d	100% Complete									
23	Final Inspection	09/30/99	09/30/99	1d										
24	Final Construction report	09/30/99	10/19/99	14d										
25	Completion	10/20/99	10/20/99	1d										

Status as of : 9/30/99

Task

Progress

One Day Event

Project: Albion-Sheridan Township Landfill (M506E07013.00)

URS Greiner Woodward Clyde

**URS Greiner Woodward Clyde**K.04  
10/1/99**FAX TRANSMITTAL  
COVER SHEET**Client: \_\_\_\_\_  
Project Name: \_\_\_\_\_  
Location: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Issue Date: 11/10/99TO: Jon Petersson

COMPANY: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

FROM: John Symons

PHONE: (313) 261-9797

NUMBER OF PAGES (INCLUDING COVER SHEET): 6SUBJECT: Monthly Progress ReportCOMMENTS:  
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\_\_\_\_\_If there are problems with this transmission, call (313) 961-9797 immediately.

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Farmington Hills, MI 48331-5627  
(248) 553-9449  
FAX (248) 553-9571

3950 Sparks Drive, SE  
Grand Rapids, MI 49546  
(616) 285-3500  
FAX (616) 285-3542

Sent ☐



## **The Albion-Sheridan Landfill PRP Group**

November 10, 1999

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

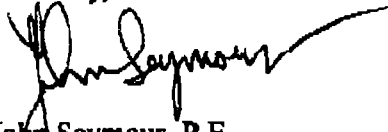
Subject: Monthly Progress Report No. 45, October 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No. M5.06E0701300-21

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed. The construction was completed with seeding on October 15, 1999. The final inspection is scheduled for November 2, 1999.

Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure:

cc: J. Gray - Corning  
R. Uber - Cooper  
M. Schaefer - MDEQ  
W. Petruzzi - Hull & Associates, Inc.  
L. Schmidt - City of Albion  
C. Denton - Varnum, Riddering, Schmidt & Howlett, L.L.P.  
P. Moilanen - Bullen, Moilanen, Klaasen & Swan, P.C.

**PROGRESS REPORT NO. 45****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: OCTOBER 1999**

This progress report is submitted in accordance with Paragraph 36 of the Consent Decree. This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next six weeks. Please note that the format of this report is different than that required by Paragraph 48 of the Unilateral Administrative Order (December 1995); only the Consent Decree format will be followed for the remedial action progress reports.

**A. ACTIONS TOWARD CONSENT DECREE COMPLIANCE**

- Construction of the perimeter fence was completed except for some barbed wire.
- Construction of topsoil was completed.
- Seeding was completed.
- Construction of the site access road was completed.

**B. SUMMARY OF RESULTS**

The seed met project specifications, however, it was placed on October 15<sup>th</sup>, after the October 6<sup>th</sup> date specified, and an alternate mulch was used. A noncompliance report was issued and resolved by requiring the Contractor to ensure acceptable growth in spring 2000.

**C. DELIVERABLES SUBMITTED**

The following was submitted to the U.S. EPA:

- Progress Report No. 44 was submitted on October 11, 1999.
- As specified in the Consent Decree, the Completion Report will be submitted 30 days after the Final Inspection.

**D. SCHEDULE: ACTIVITIES OVER NEXT SIX WEEKS**

The project schedule in the Consent Decree is attached. The following activities are anticipated:

- By November 15<sup>th</sup>: Complete fence barbed wire placement.

**PROGRESS REPORT NO. 45****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: OCTOBER 1999**

- November 2: Conduct the Final Inspection.
- December 2: Submit the completion report.

**E. PERCENTAGE COMPLETE, DELAYS, RESOLUTIONS**

The following summarizes the percent complete for the activities listed on the Consent Decree RA schedule:

<u>Activity</u>	<u>Percent Complete</u>
Mobilization	100
Stripping and Grubbing	100
Waste Consolidation	100
Rough Grading	100
Passive Gas Vent Trenches	100
Foundation Layer	100
Install 40 mil FML	100
Drainage Net	100
Cover Soil Layer	100
Subsurface Drainage System	100
Storm water Berms and Shoots	100
Topsoil/Seeding	100
Access Road Construction	100

<u>Activity</u>	<u>Percent Complete</u>
Infiltration Basin Slope	100
Perimeter Fence	99
Prefinal Inspection	100
Prefinal Inspection Report	100
Final Inspection	0
Final Construction Report	0
RA Completion	0

**F. MODIFICATIONS**

A noncompliance report was submitted to OHM (contractor) for seeding specification 02936. It was resolved by requiring the Contractor to ensure acceptable growth in spring 2000, as determined by QC inspection in late-April to early May.

**PROGRESS REPORT NO. 45****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: OCTOBER 1999****G. COMMUNITY RELATIONS/COMMUNICATIONS**

No community relations/communications have occurred during this reporting period.

# RA Settling Defendants Construction Schedule - Albion-Sheridan Township Landfill

ID	Task Name	Start	Finish	Duration	Notes	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1	Group Notice to Proceed	03/15/99	03/15/99	1d	100 % Complete									
2	Sample New Monitoring Wells	04/02/99	04/02/99	1d	100 % Complete									
3	Subcontractor Plan Modification	03/15/99	04/02/99	15d	100 % Complete									
4	Notice to Group Contractor	04/02/99	04/02/99	1d	100 % Complete									
5	Site Preparation	04/02/99	04/21/99	14d	100 % Complete									
6	Mobilization	04/21/99	04/21/99	1d	100 % Complete									
7	Stripping and Grubbing	04/22/99	05/07/99	12d	100 % Complete									
8	Waste Consolidation	05/03/99	05/11/99	30d	100 % Complete									
9	Rough Grading	06/07/99	06/25/99	15d	100 % Complete									
10	Passive Gas Vent Trenches	06/14/99	07/02/99	15d	100 % Complete									
11	Foundation Layer	06/28/99	07/09/99	10d	100 % Complete									
12	Install 40 mil FML Liner	07/12/99	08/16/99	26d	100 % Complete									
13	Drainage Net	07/19/99	08/16/99	21d	100 % Complete									
14	Cover Soil Layer	08/03/99	09/07/99	22d	100 % Complete									
15	Subsurface Drainage	08/02/99	08/13/99	10d	100 % Complete									
16	Stormwater Berms and Shoals	08/16/99	08/27/99	10d	100 % Complete									
17	Topsoil/Seeding	08/30/99	09/13/99	11d	100 % Complete									
18	Access Road Construction	08/13/99	09/15/99	3d	100 % Complete									
19	Infiltration Basin Slopes	08/23/99	08/27/99	5d	100 % Complete									
20	Perimeter Fence	09/13/99	09/15/99	3d	99 % Complete									
21	Preliminary Inspection	09/07/99	09/07/99	1d	100 % Complete									
22	Preliminary Inspection Report	09/07/99	09/17/99	5d	100 % Complete									
23	Final Inspection	09/30/99	09/30/99	1d										
24	Final Construction report	09/30/99	10/19/99	14d										
25	Completion	10/20/99	10/20/99	1d										

Status as of: 11/10/99

Task

Progress

One Day Event

Project: Albion-Sheridan Township Landfill (M506E07013.00)

URS Greiner Woodward Clyde

**URS Greiner Woodward Clyde**K.04  
11/1/99

Client: \_\_\_\_\_

Project Name: \_\_\_\_\_

Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Issue Date: 10/10/99**FAX TRANSMITTAL  
COVER SHEET**TO: Jon Peterson

COMPANY: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

FROM: John Seymour

PHONE: (313) 961-9797

NUMBER OF PAGES (INCLUDING COVER SHEET): 4

SUBJECT: \_\_\_\_\_

COMMENTS:  
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(248) 553-9449  
FAX (248) 553-9571

3950 Sparks Drive, SE  
Grand Rapids, MI 49546  
(616) 285-3500  
FAX (616) 285-3542

Sent ☐

## **The Albion-Sheridan Landfill PRP Group**

December 10, 1999

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

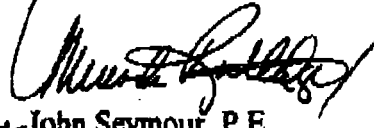
Subject: Monthly Progress Report No. 46, November 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No. M5.06E0701300-21

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed.

Please call if you have any questions.

Sincerely,

  
John Seymour, P.E.  
Project Coordinator

Enclosure:

cc: J. Gray - Corning  
R. Uber - Cooper  
M. Schaefer - MDEQ  
W. Petruzzi - Hull & Associates, Inc.  
L. Schmidt - City of Albion  
C. Denton - Varnum, Riddering, Schmidt & Howlett, L.L.P.  
P. Moilanen - Bullen, Moilanen, Klaassen & Swan, P.C.

**PROGRESS REPORT NO. 46****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: NOVEMBER 1999**

This progress report is submitted in accordance with Paragraph 36 of the Consent Decree. This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next six weeks. Please note that the format of this report is different than that required by Paragraph 48 of the Unilateral Administrative Order (December 1995); only the Consent Decree format will be followed for the remedial action progress reports.

**A. ACTIONS TOWARD CONSENT DECREE COMPLIANCE**

- The final inspection occurred on November 2, 1999.

**B. SUMMARY OF RESULTS**

None

**C. DELIVERABLES SUBMITTED**

The following was submitted to the U.S. EPA:

- Progress Report No. 45 was submitted on November 10, 1999.
- The final inspection report was submitted on November 17, 1999.

**D. SCHEDULE: ACTIVITIES OVER NEXT SIX WEEKS**

The project schedule in the Consent Decree is attached. The following activities are anticipated:

- Submitted of the final RA construction completion reports.



**PROGRESS REPORT NO. 46****ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN****REPORTING PERIOD: NOVEMBER 1999****E. PERCENTAGE COMPLETE, DELAYS, RESOLUTIONS**

The following summarizes the percent complete for the activities listed on the Consent Decree RA schedule:

<u>Activity</u>	<u>Percent Complete</u>
Mobilization	100
Stripping and Grubbing	100
Waste Consolidation	100
Rough Grading	100
Passive Gas Vent Trenches	100
Foundation Layer	100
Install 40 mil FML	100
Drainage Net	100
Cover Soil Layer	100
Subsurface Drainage System	100
Storm water Berms and Shoots	100
Topsoil/Seeding	100
Access Road Construction	100

<u>Activity</u>	<u>Percent Complete</u>
Infiltration Basin Slope	100
Perimeter Fence	99
Prefinal Inspection	100
Prefinal Inspection Report	100
Final Inspection	100
Final Construction Report	0
RA Completion	0

**F. MODIFICATIONS**

None.

**G. COMMUNITY RELATIONS/COMMUNICATIONS**

No community relations/communications have occurred during this reporting period.

**URS Greiner Woodward Clyde**

Client: \_\_\_\_\_

Project Name: \_\_\_\_\_

Location: \_\_\_\_\_

Project Number: \_\_\_\_\_

Issue Date: 1/10/00**FAX TRANSMITTAL  
COVER SHEET**TO: Jon Peterson

COMPANY: \_\_\_\_\_

FAX NUMBER: \_\_\_\_\_

FROM: John Lyons

PHONE: (313) 961-9797

NUMBER OF PAGES (INCLUDING COVER SHEET): 5

SUBJECT: \_\_\_\_\_

COMMENTS:  
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FAX (313) 961-3480

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(248) 553-9449  
FAX (248) 553-9571

3950 Sparks Drive, SE  
Grand Rapids, MI 49546  
(616) 285-3500  
FAX (616) 285-3542

Sent ☐

KK.04  
12/1/99

## **The Albion-Sheridan Landfill PRP Group**

---

January 10, 2000

Mr. Jon Peterson  
U.S. Environmental Protection Agency  
Region V  
Waste Management Division  
77 W. Jackson Blvd. - HSRW-6J  
Chicago, Illinois 60604

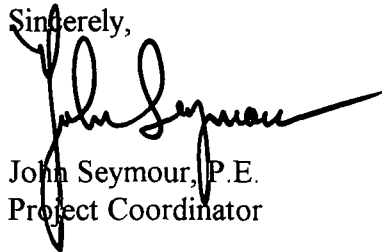
Subject: Monthly Progress Report No. 47, December 1999  
Remedial Design/Remedial Action  
Albion-Sheridan Township Landfill  
Project No. M5.06E0701300-21

Dear Mr. Peterson:

The Monthly Progress Report for the reporting period is enclosed.

Please call if you have any questions.

Sincerely,



John Seymour, P.E.  
Project Coordinator

Enclosure:

cc: J. Gray – Corning  
R. Uber – Cooper  
M. Schaefer - MDEQ  
W. Petruzzi – Hull & Associates, Inc.  
L. Schmidt – City of Albion  
C. Denton – Varnum, Riddering, Schmidt & Howlett, L.L.P.  
P. Moilanen – Bullen, Moilanen, Klaasen & Swan, P.C.

## **PROGRESS REPORT NO. 47**

### **ALBION-SHERIDAN TOWNSHIP LANDFILL REMEDIAL DESIGN/REMEDIAL ACTION CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: DECEMBER 1999**

This progress report is submitted in accordance with Paragraph 36 of the Consent Decree. This report summarizes work performed during the reporting period and describes activities to continue or scheduled to start during the next six weeks. Please note that the format of this report is different than that required by Paragraph 48 of the Unilateral Administrative Order (December 1995); only the Consent Decree format will be followed for the remedial action progress reports.

#### **A. ACTIONS TOWARD CONSENT DECREE COMPLIANCE**

- A follow up to the final inspection occurred on December 12, 1999.

#### **B. SUMMARY OF RESULTS**

The inspection of December 12<sup>th</sup> identified several deficiencies, including: 1) an unacceptable large gap between the bottom of the fence and the ground, 2) barbed wire missing in one 50-ft long section, 3) erosion along the southwest slope outside of the landfill cap, and 4) drainage in erosion matting for berm in northwest area. The Contractor has been notified to correct deficiencies.

#### **C. DELIVERABLES SUBMITTED**

The following was submitted to the U.S. EPA:

- Progress Report No. 46 was submitted on December 10, 1999.
- The "Completion of Remedial Action Report" was submitted on December 9, 1999.

#### **D. SCHEDULE: ACTIVITIES OVER NEXT SIX WEEKS**

Deficiencies in the fencing will be corrected. Remaining repairs will be scheduled with the Contractor and coordinated with the settling O&M defendants.

**PROGRESS REPORT NO. 47**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: DECEMBER 1999**

**E. PERCENTAGE COMPLETE, DELAYS, RESOLUTIONS**

The following summarizes the percent complete for the activities listed on the Consent Decree RA schedule:

<u>Activity</u>	<u>Percent Complete</u>
Mobilization	100
Stripping and Grubbing	100
Waste Consolidation	100
Rough Grading	100
Passive Gas Vent Trenches	100
Foundation Layer	100
Install 40 mil FML	100
Drainage Net	100
Cover Soil Layer	100
Subsurface Drainage System	100
Storm water Berms and Shoots	100
Topsoil/Seeding	100
Access Road Construction	100

<u>Activity</u>	<u>Percent Complete</u>
Infiltration Basin Slope	100
Perimeter Fence	99
Prefinal Inspection	100
Prefinal Inspection Report	100
Final Inspection	100
Final Construction Report	100
RA Completion	99

**F. MODIFICATIONS**

None.

**PROGRESS REPORT NO. 47**

**ALBION-SHERIDAN TOWNSHIP LANDFILL  
REMEDIAL DESIGN/REMEDIAL ACTION  
CALHOUN COUNTY, MICHIGAN**

**REPORTING PERIOD: DECEMBER 1999**

**G. COMMUNITY RELATIONS/COMMUNICATIONS**

No community relations/communications have occurred during this reporting period.